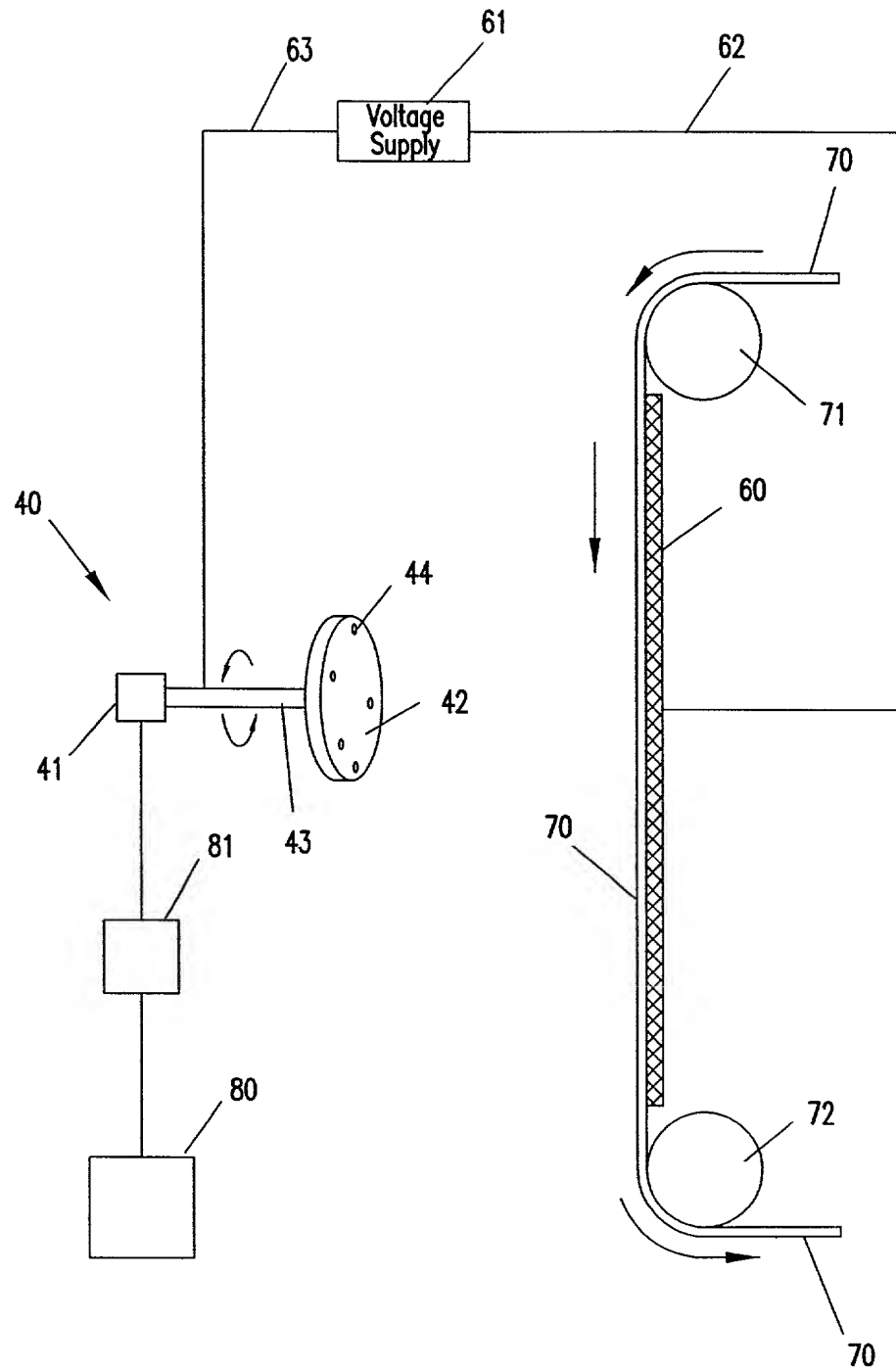


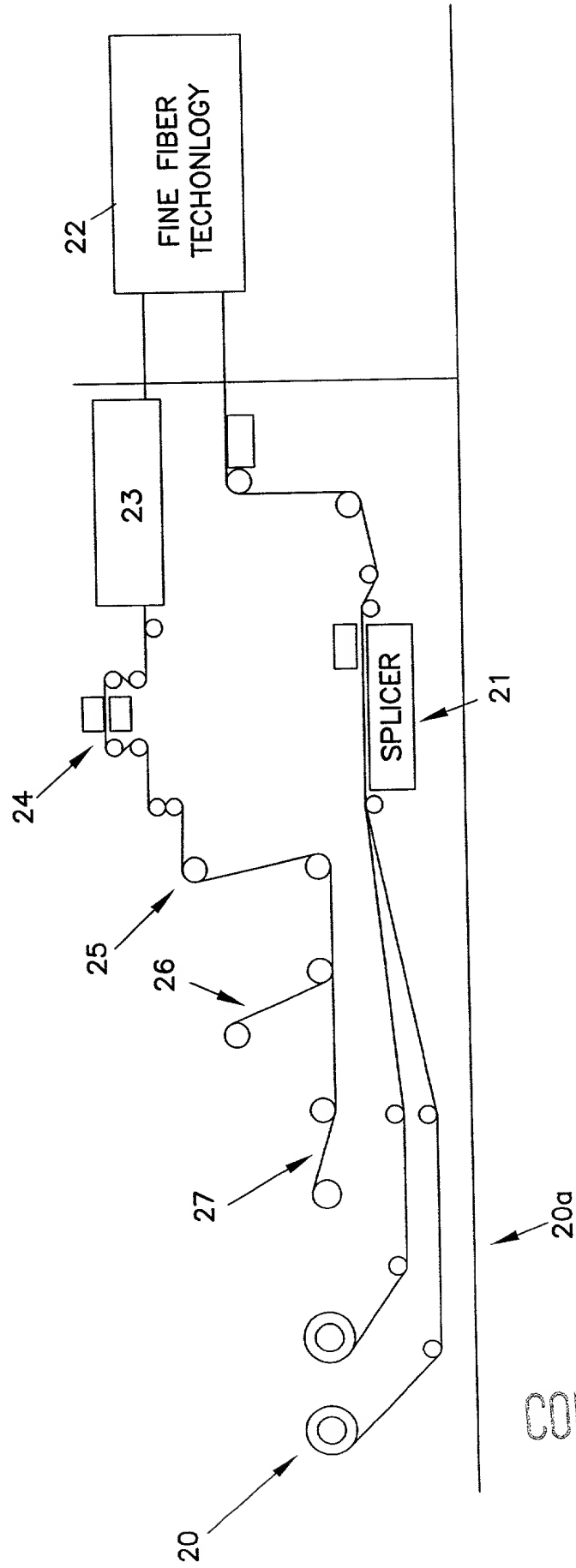
FIG. 1



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TOP SECRET 037153

FIG. 2



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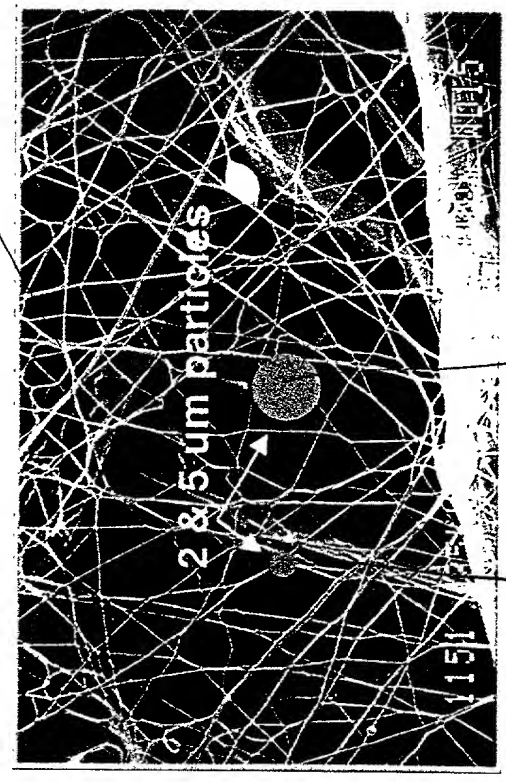
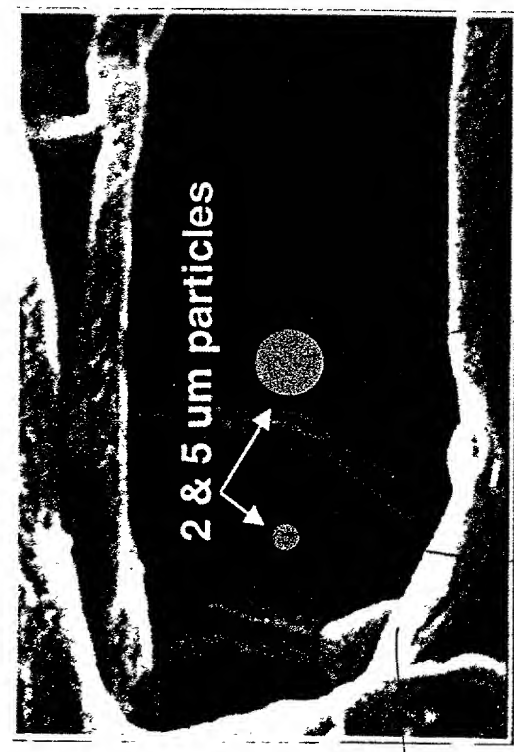
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FIG. 3A

Fig 3B

Cellulose Media

Ultra-Web®



31 2,000 X Scanning Electron Microscope Images 32

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Fig. 4 ESCA O1S SPECTRA FOR SAMPLE 6A AS SPAN

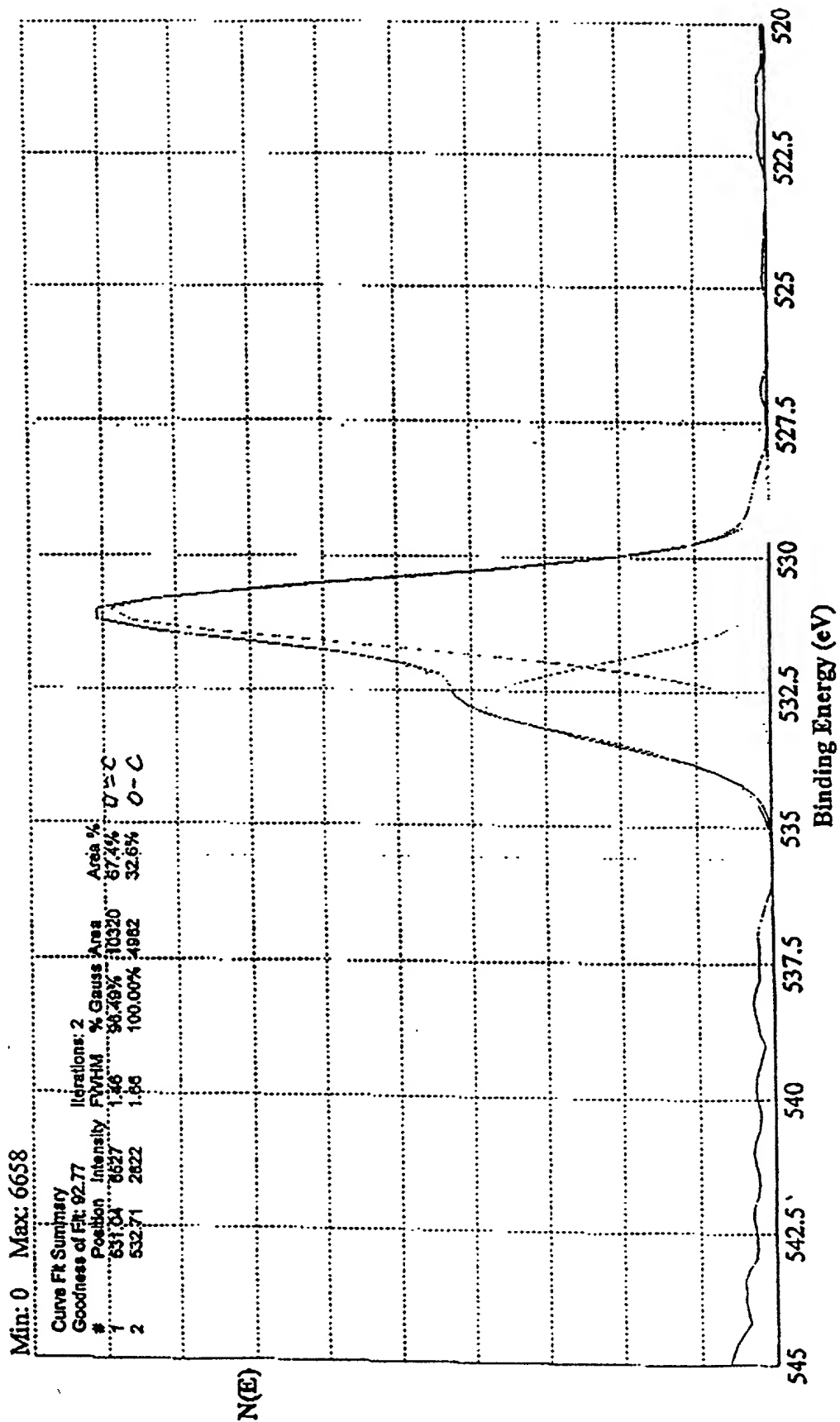
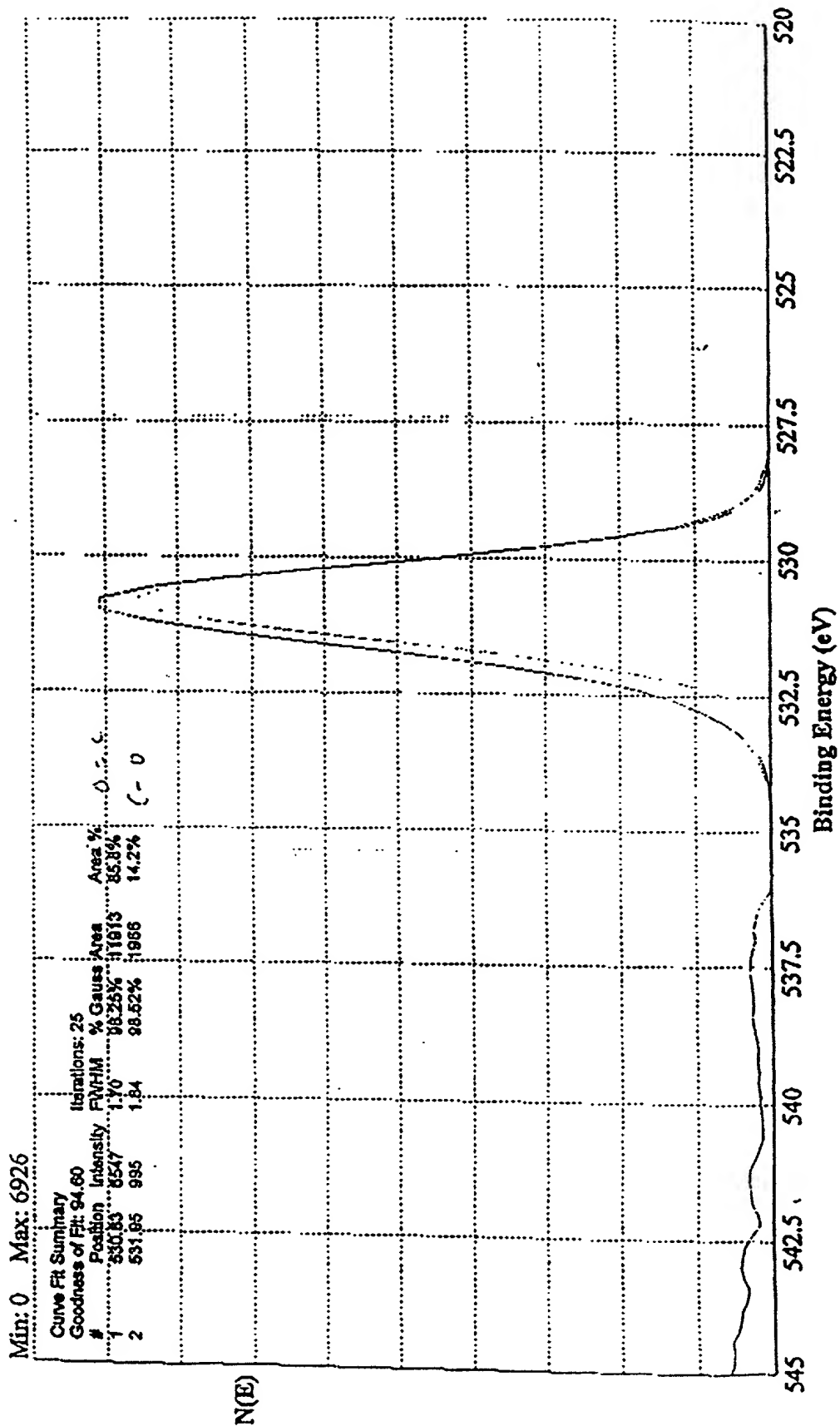


Fig. 5 ESCA O1s SPECTR FOR HEAT-TREATED SAMPLE 6A



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Fig. 6 ESCA O1s SPECTRA FOR AS-SPAN EXAMPLE 6B

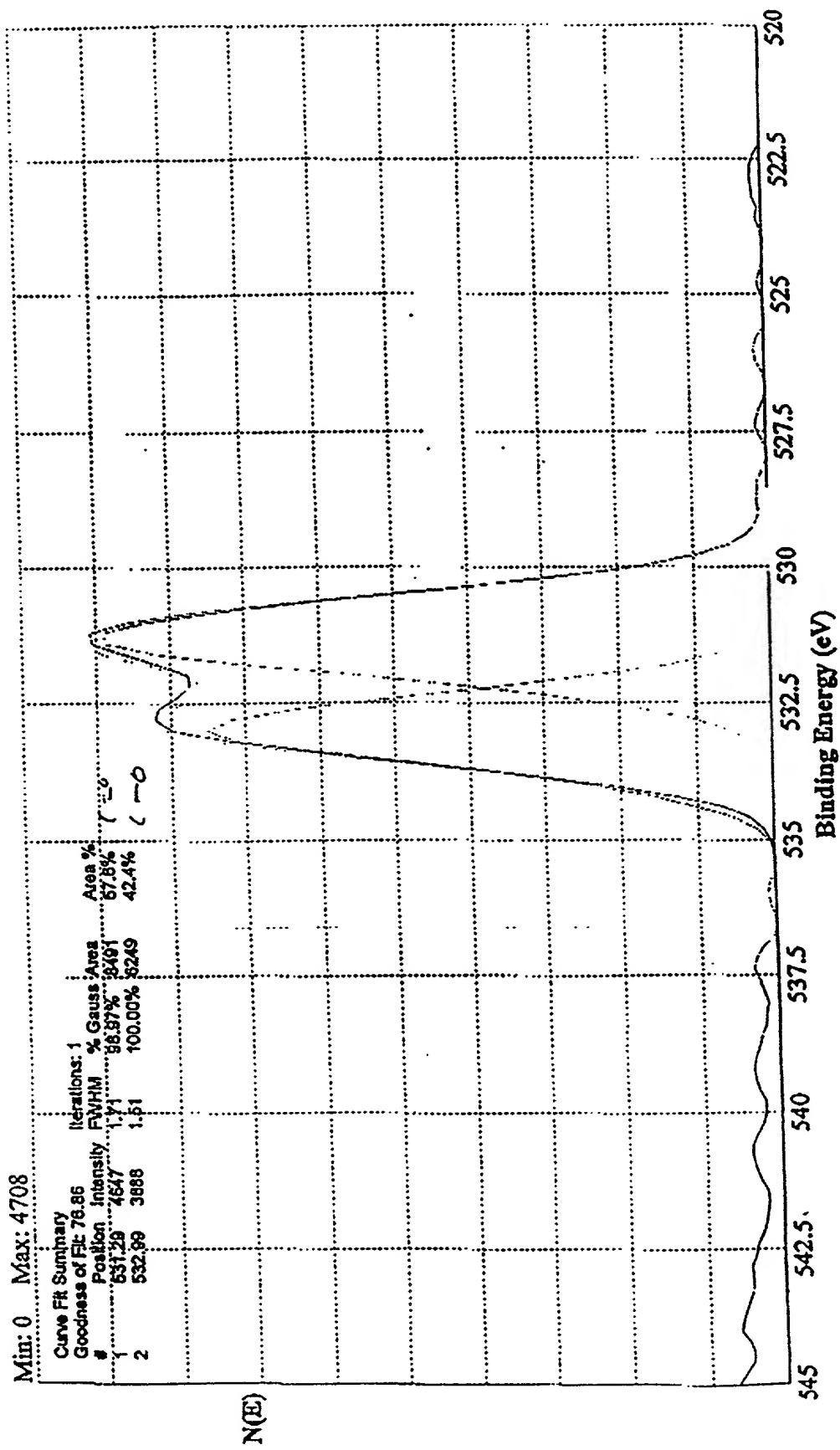


Fig. 7 ESCA O1s SPECTRA FOR HEAT-TREATED EXAMPLE 6B

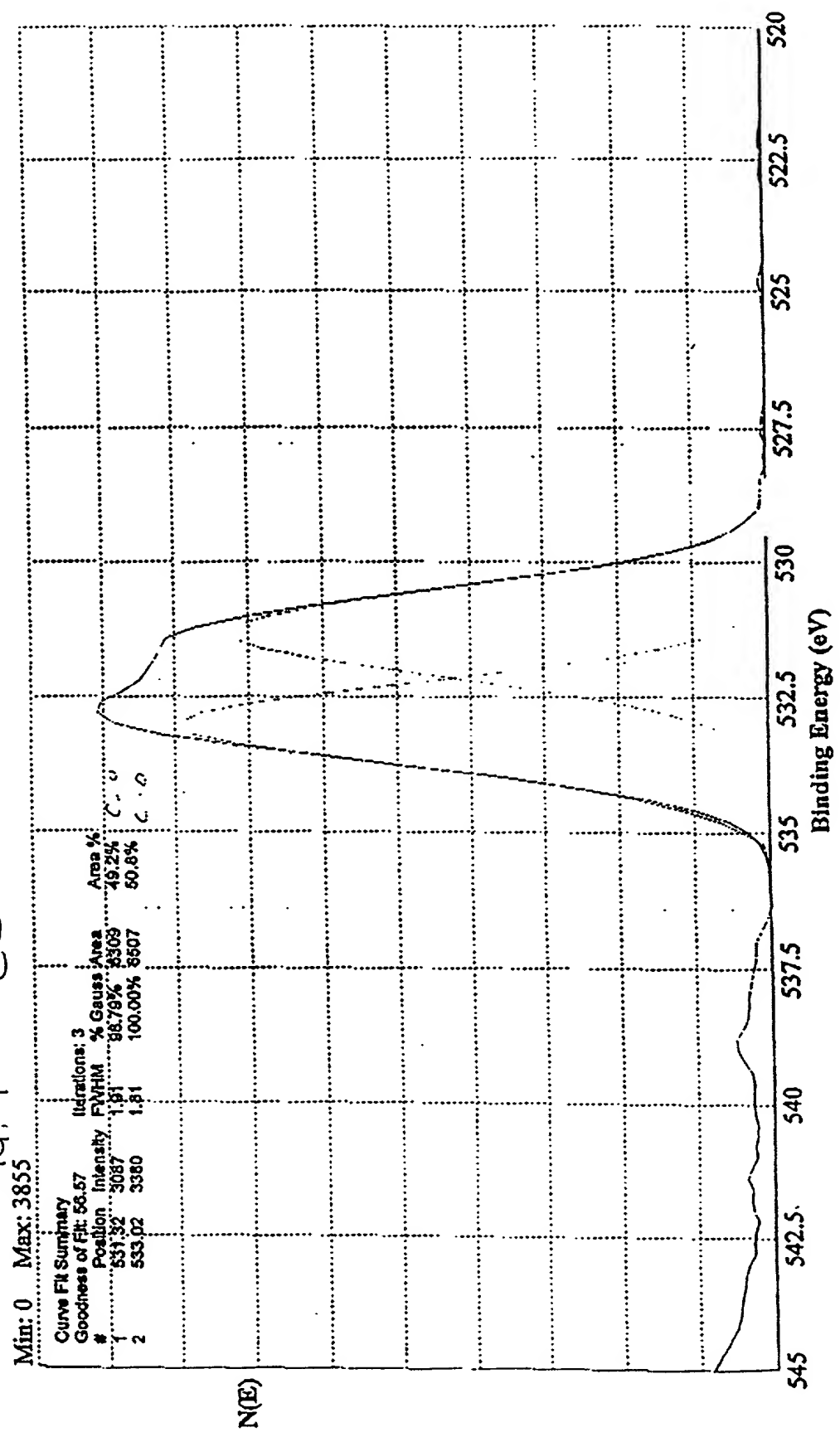
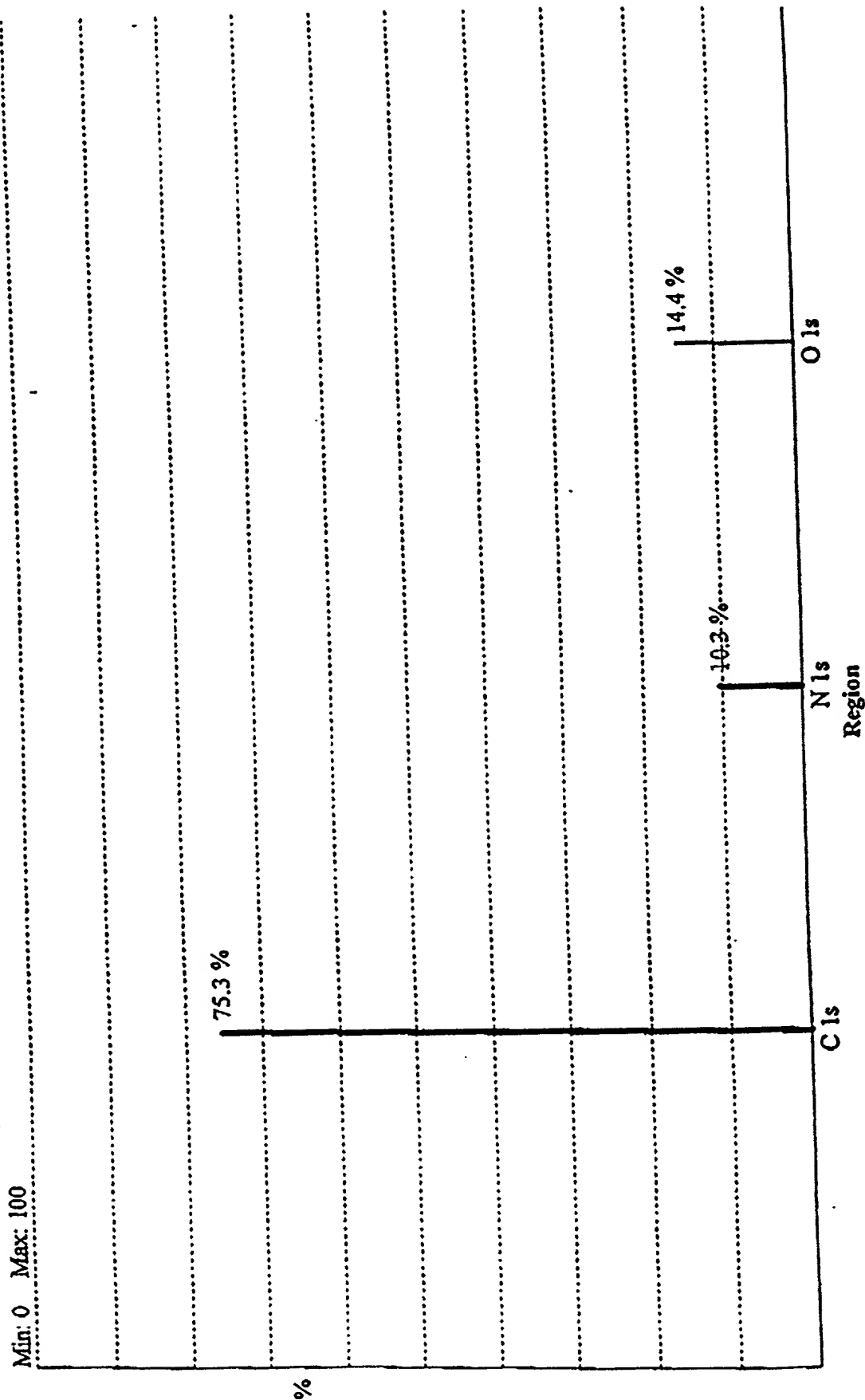


FIG. 8 ESCA MULTIPLEX FOR AS-SPUN SAMPLE 6A





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FIG. 9 ESCA MULTIPLEX FOR HENT TREATED SAMPLE 6A

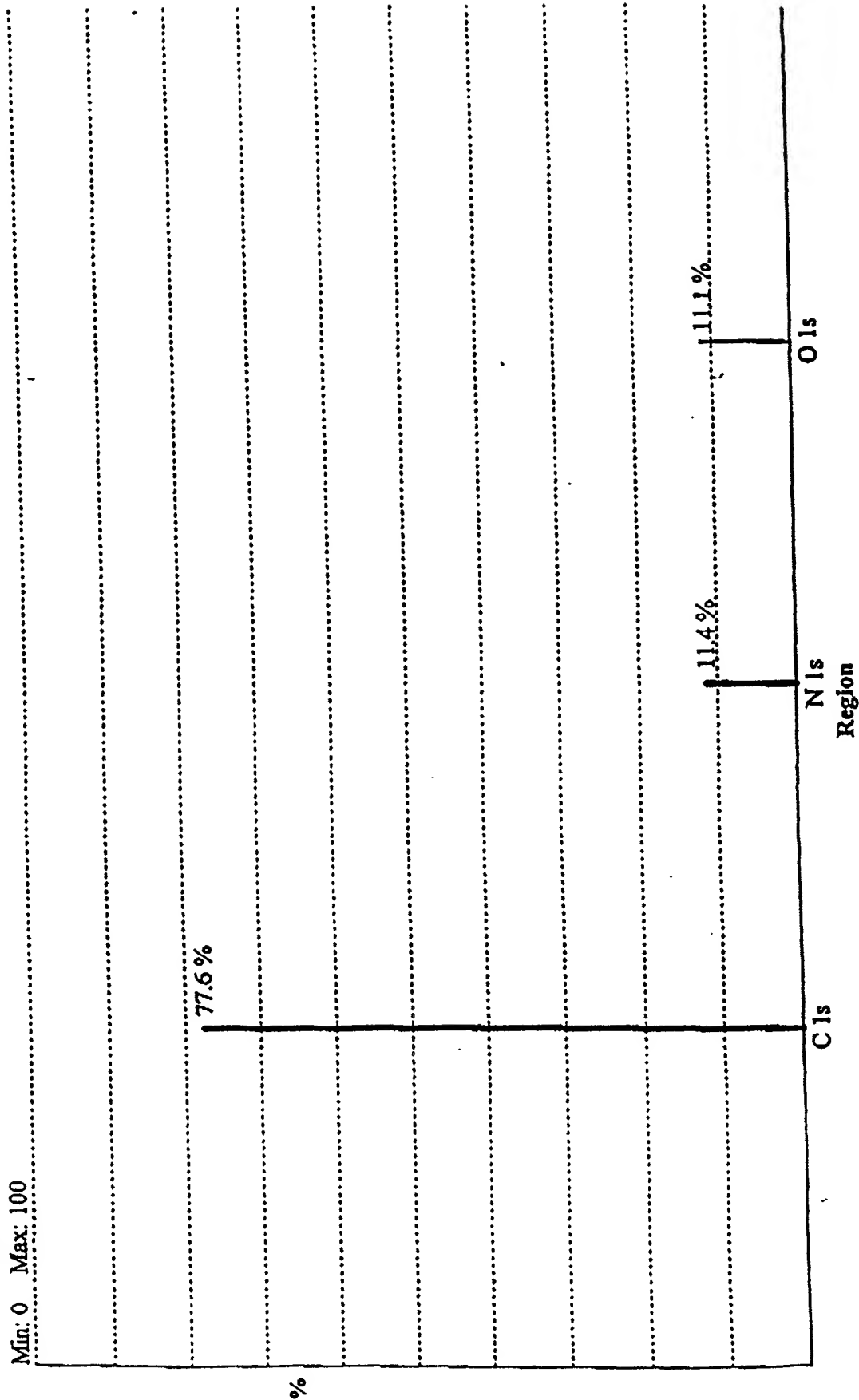


FIG. 10 ESCA MULTIPLEX FOR AS-SPUN SAMPLE 6B

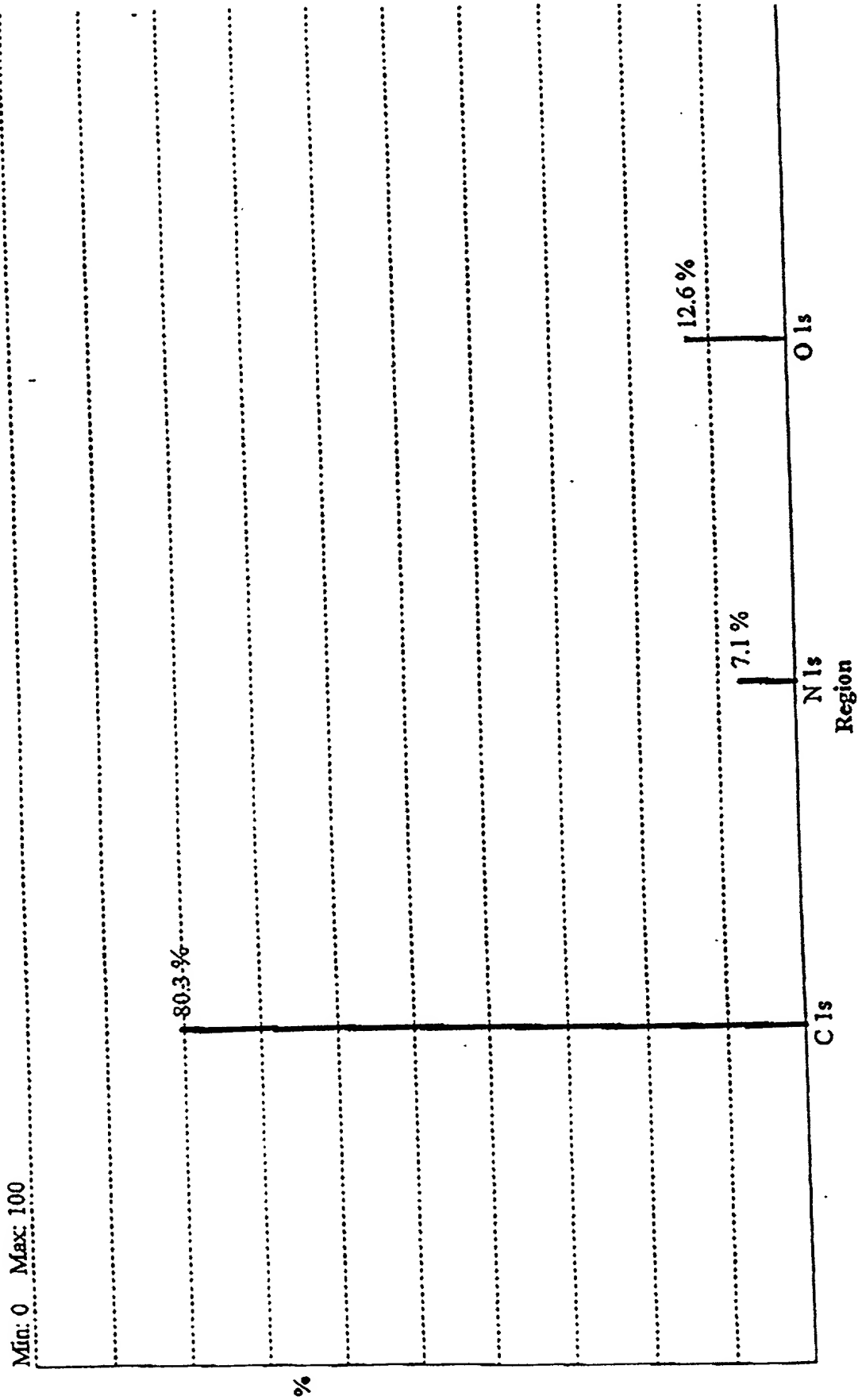


FIG. 11 ESCA MULTIPLEX FOR HEAT-TREATED SAMPLE 6B

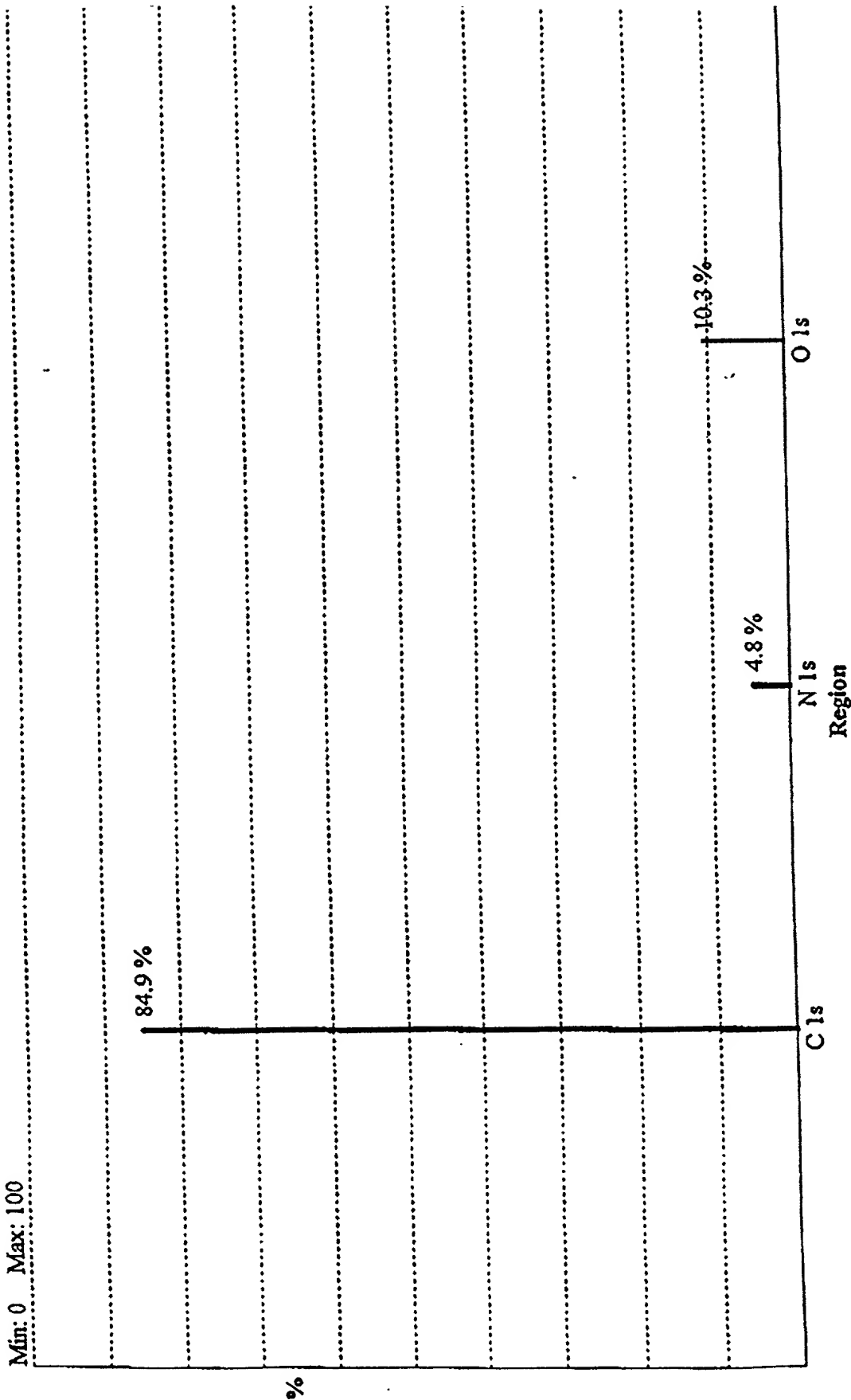


Fig. 12

% Reduction in Layer Eff.

Fine Fiber

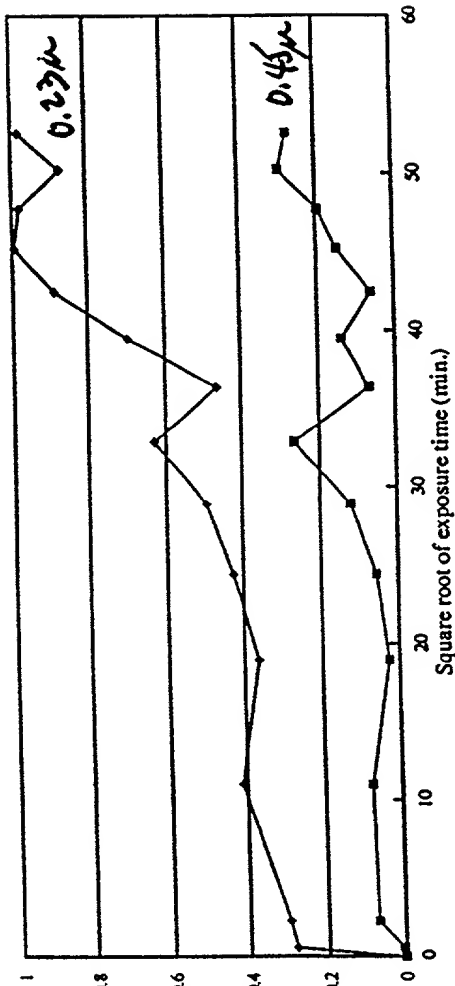


Fig. 13

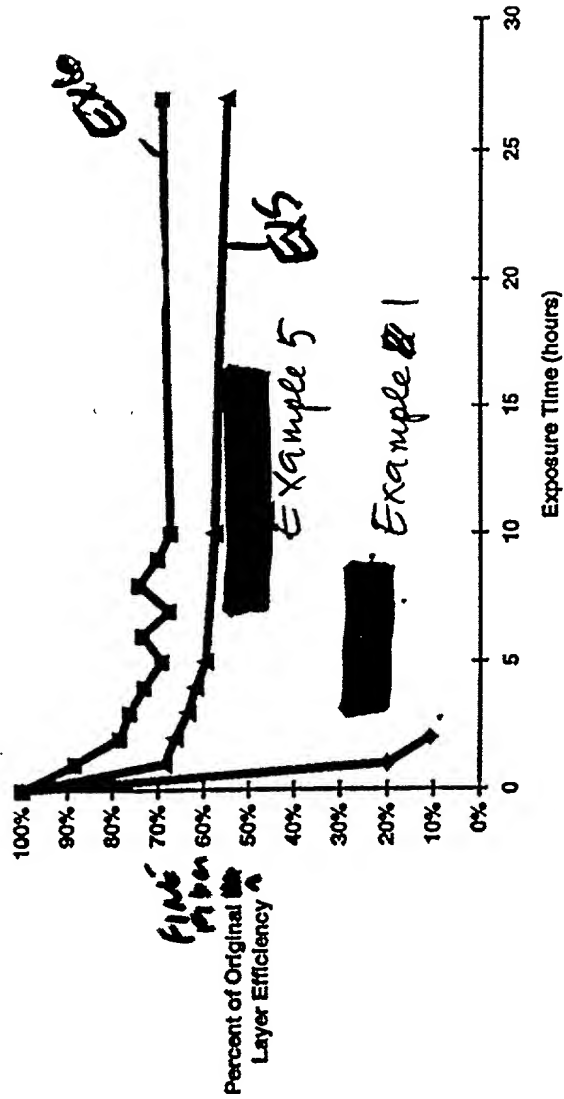
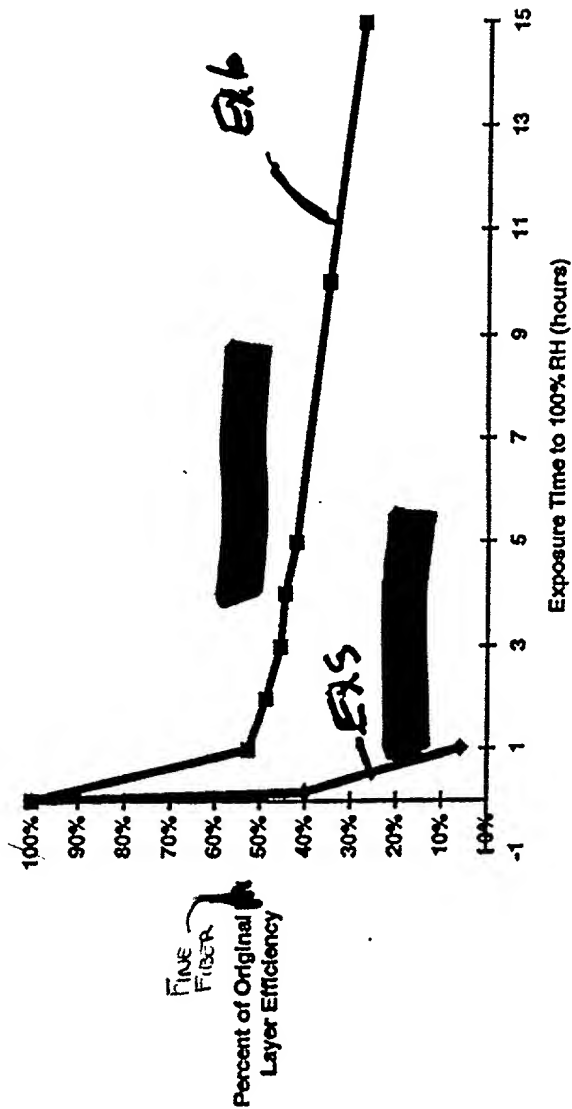
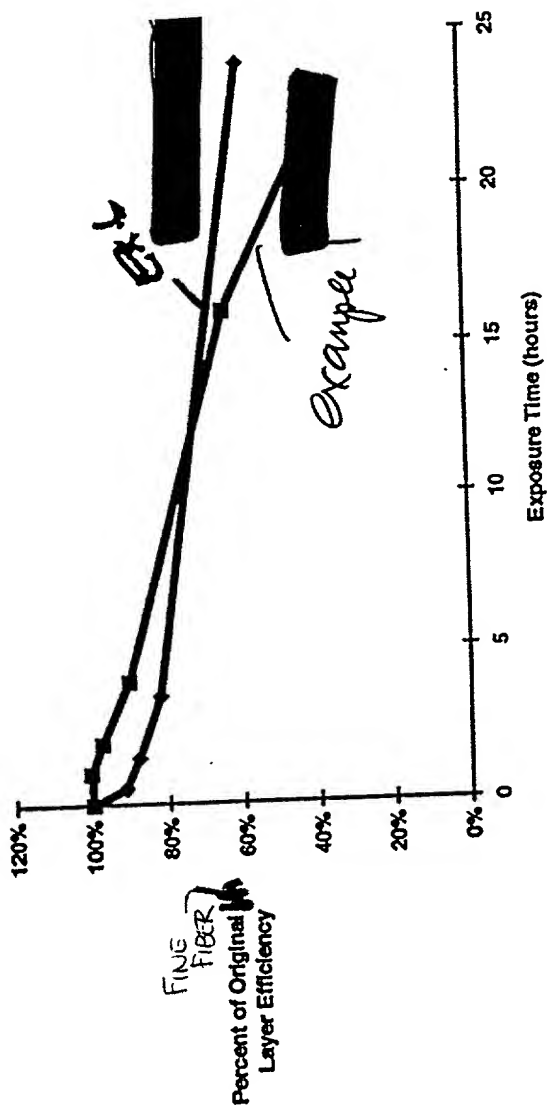


Fig. 14



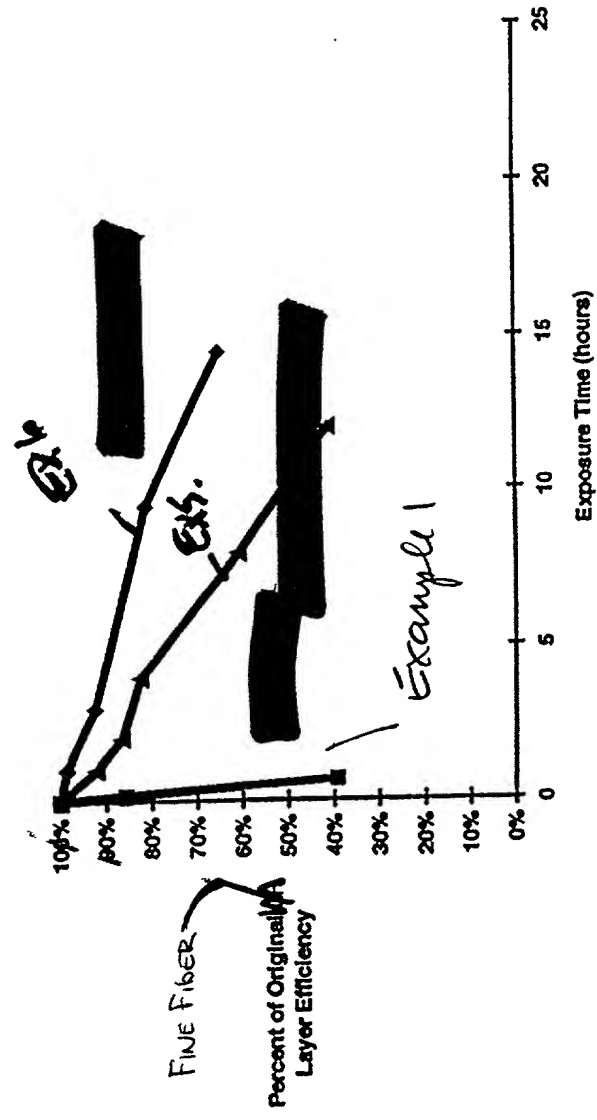
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Fig. 15

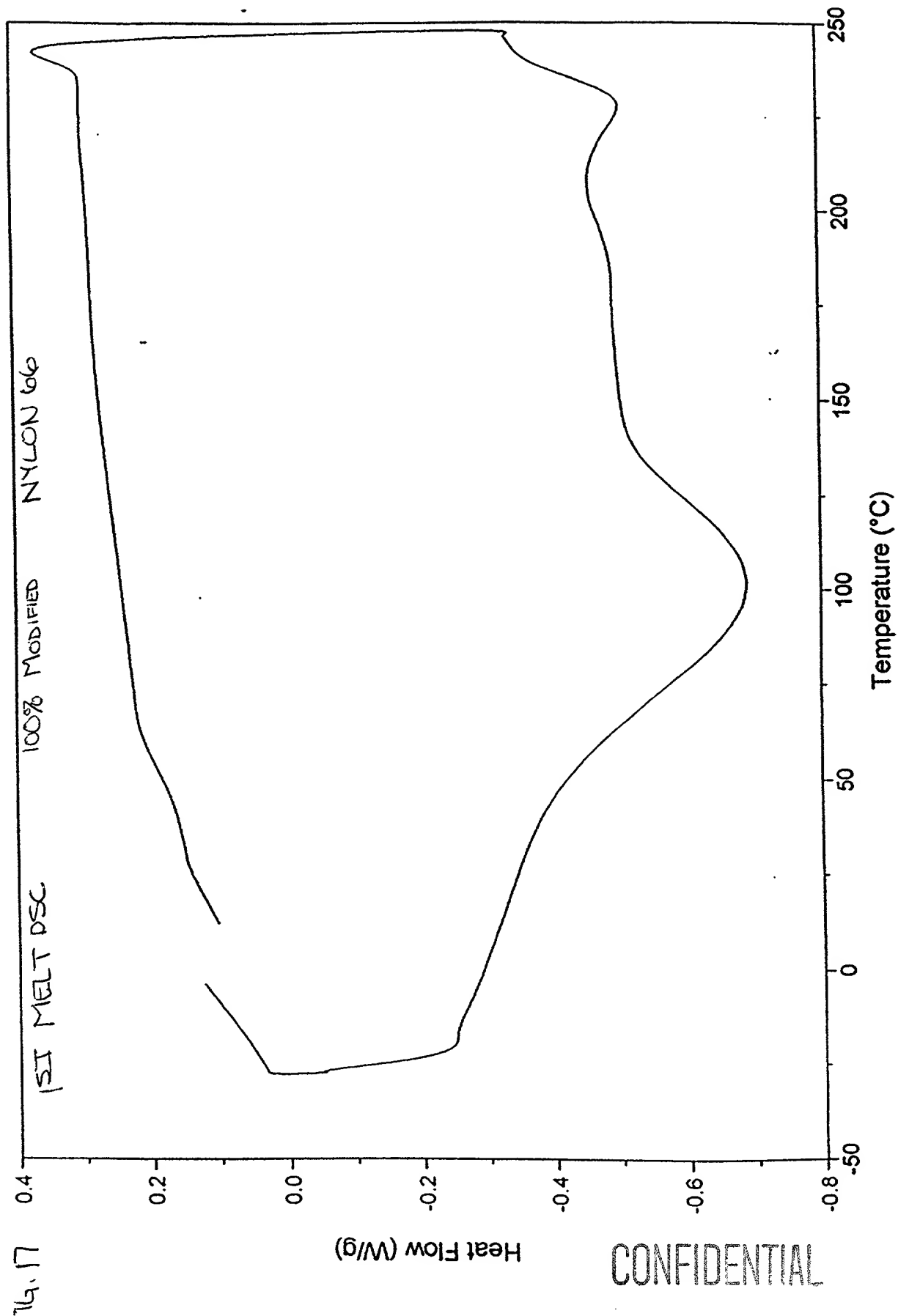


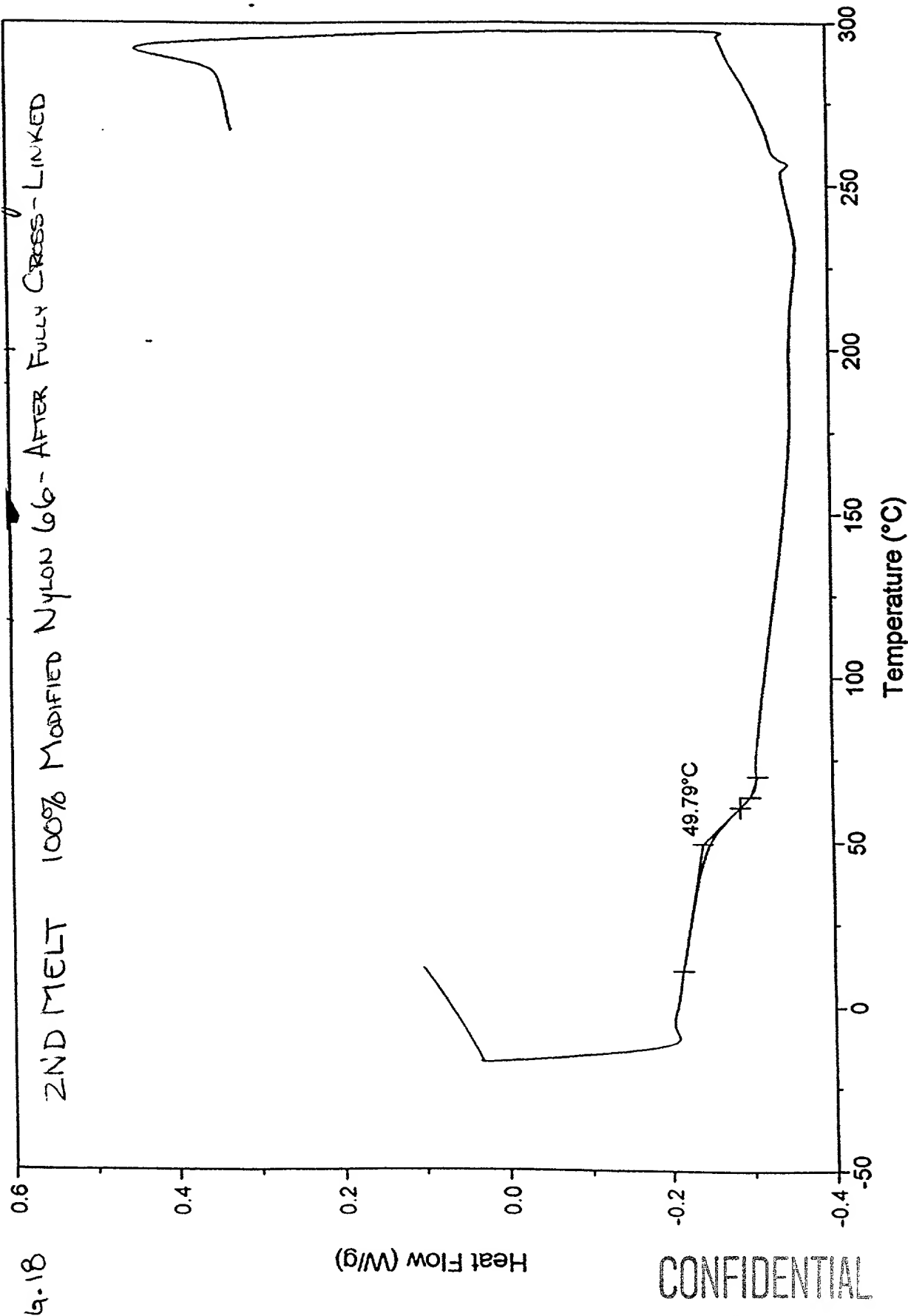
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Fig. 16

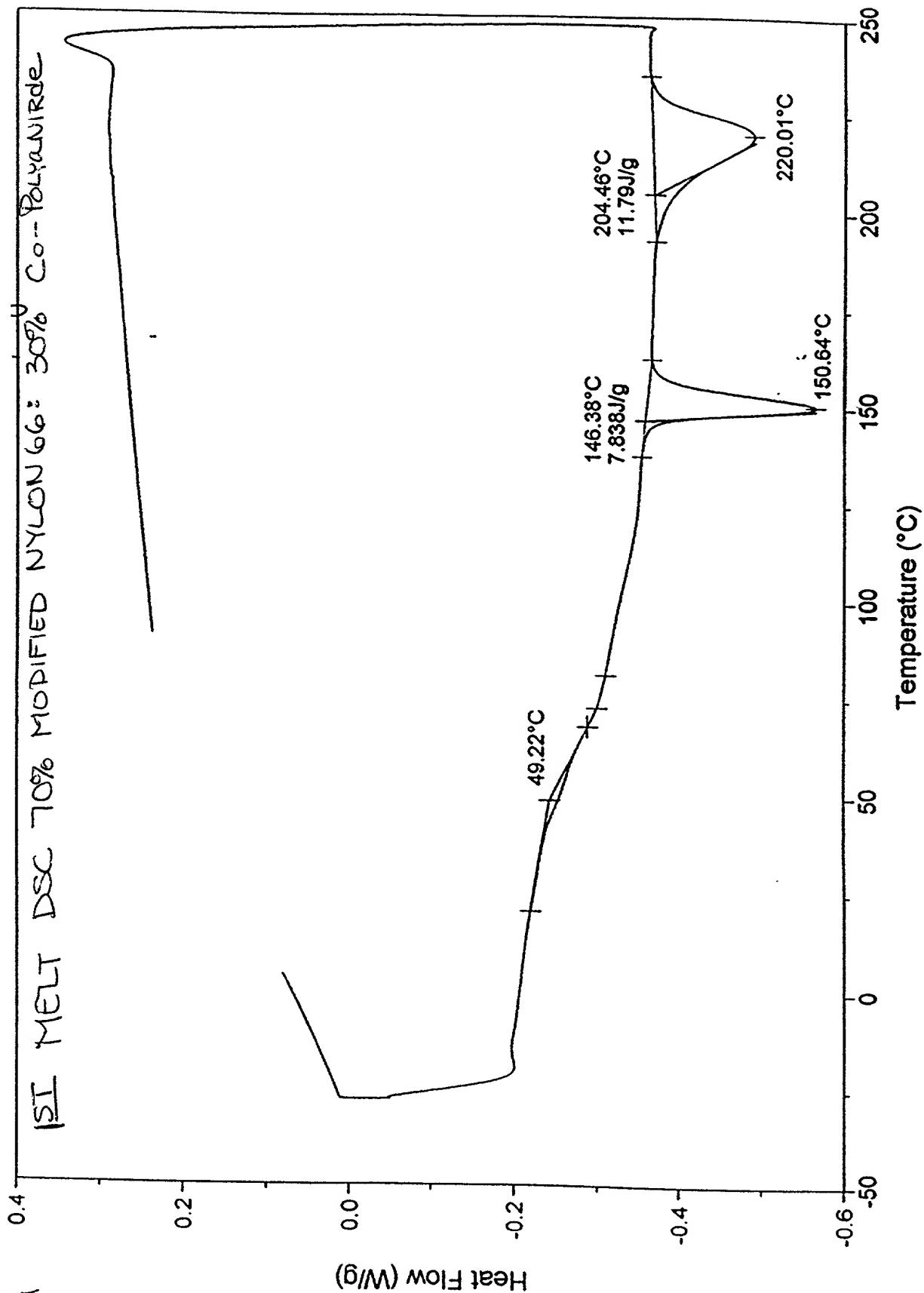


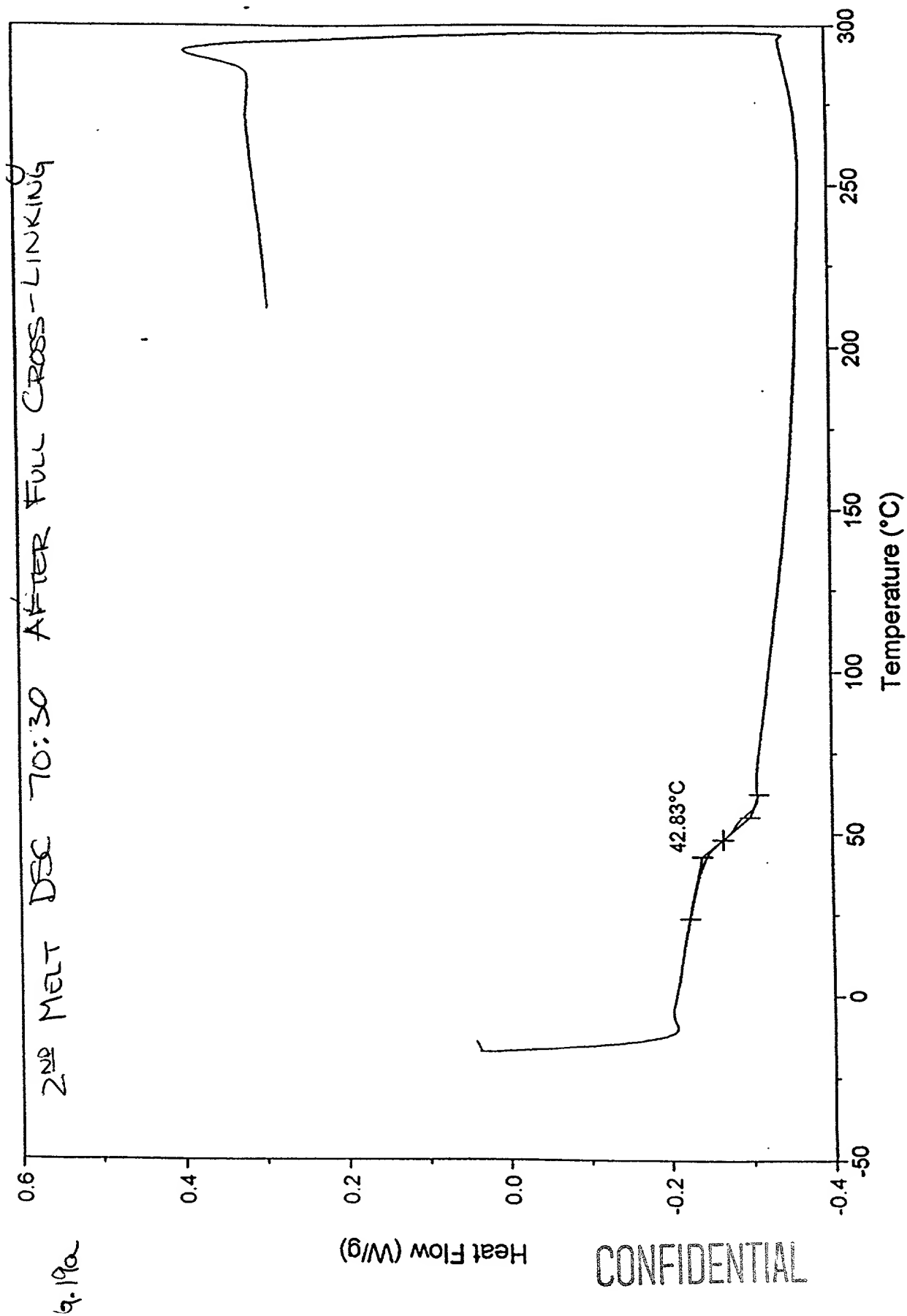






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120

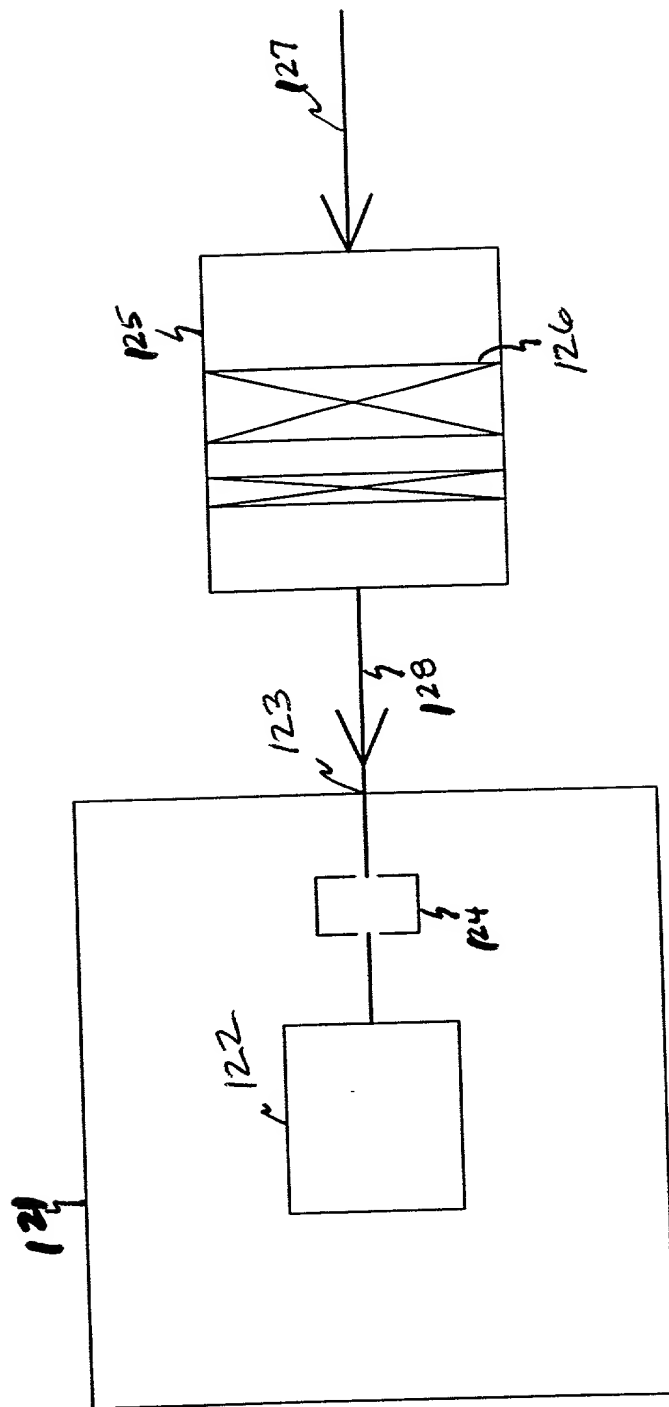


FIG. 23

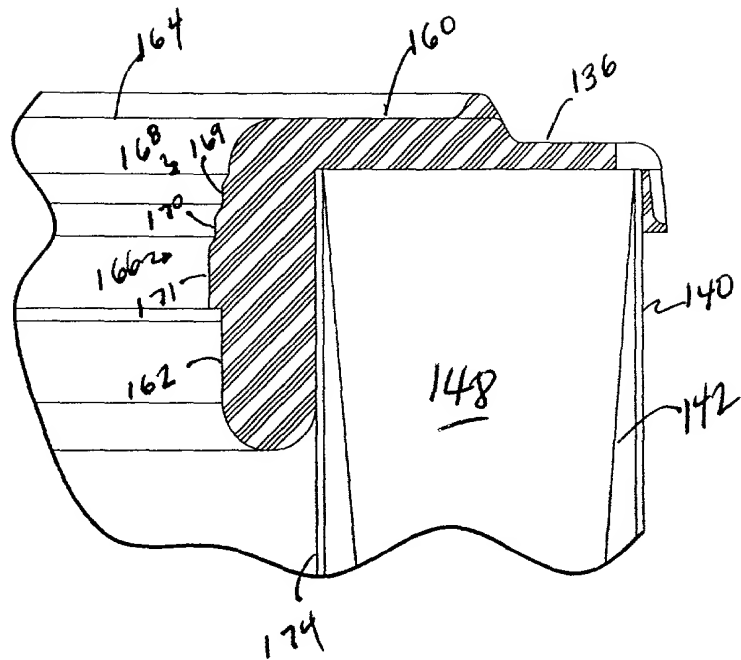
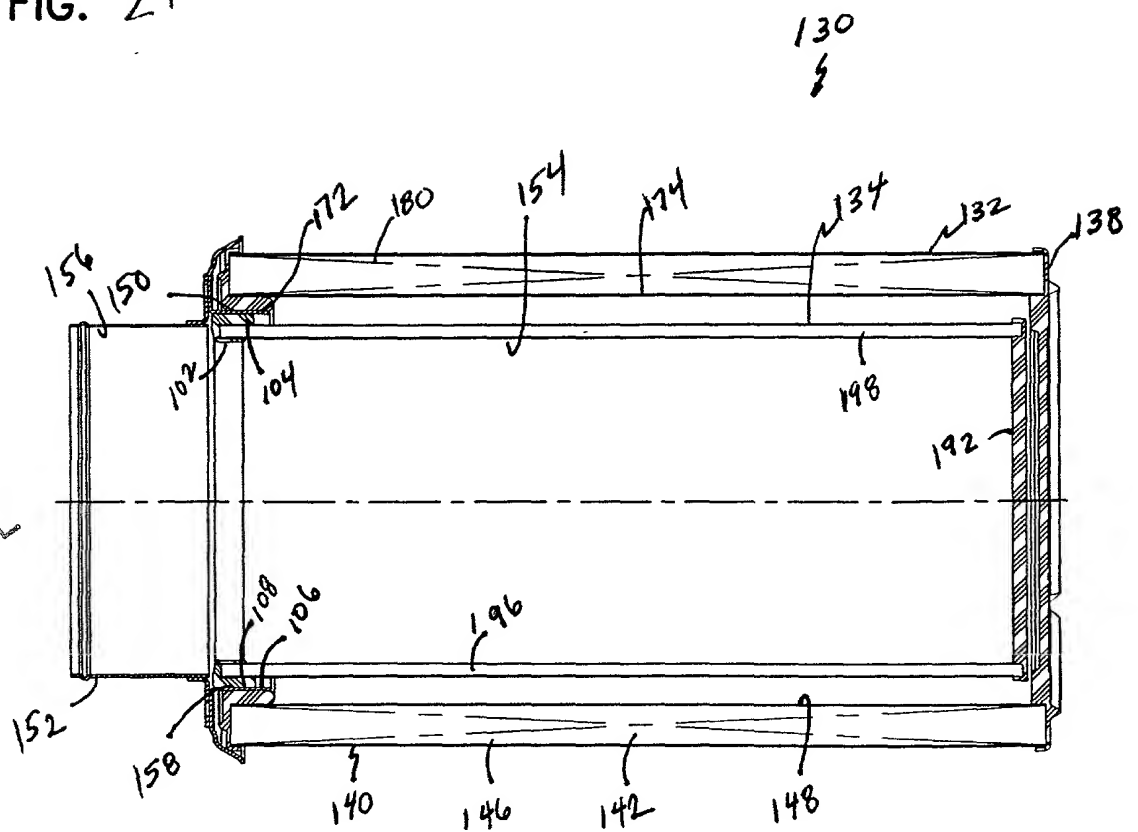
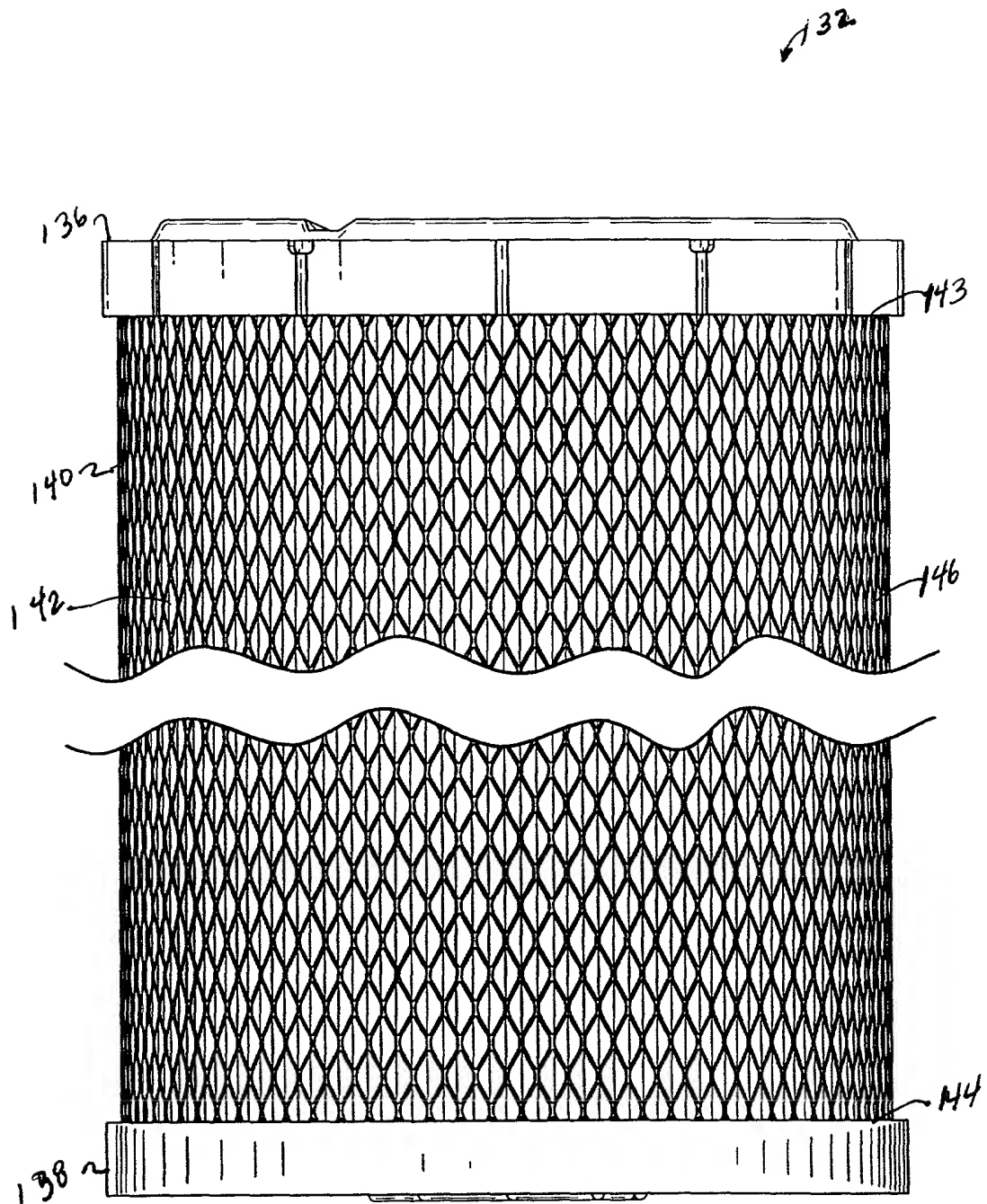


FIG. 21



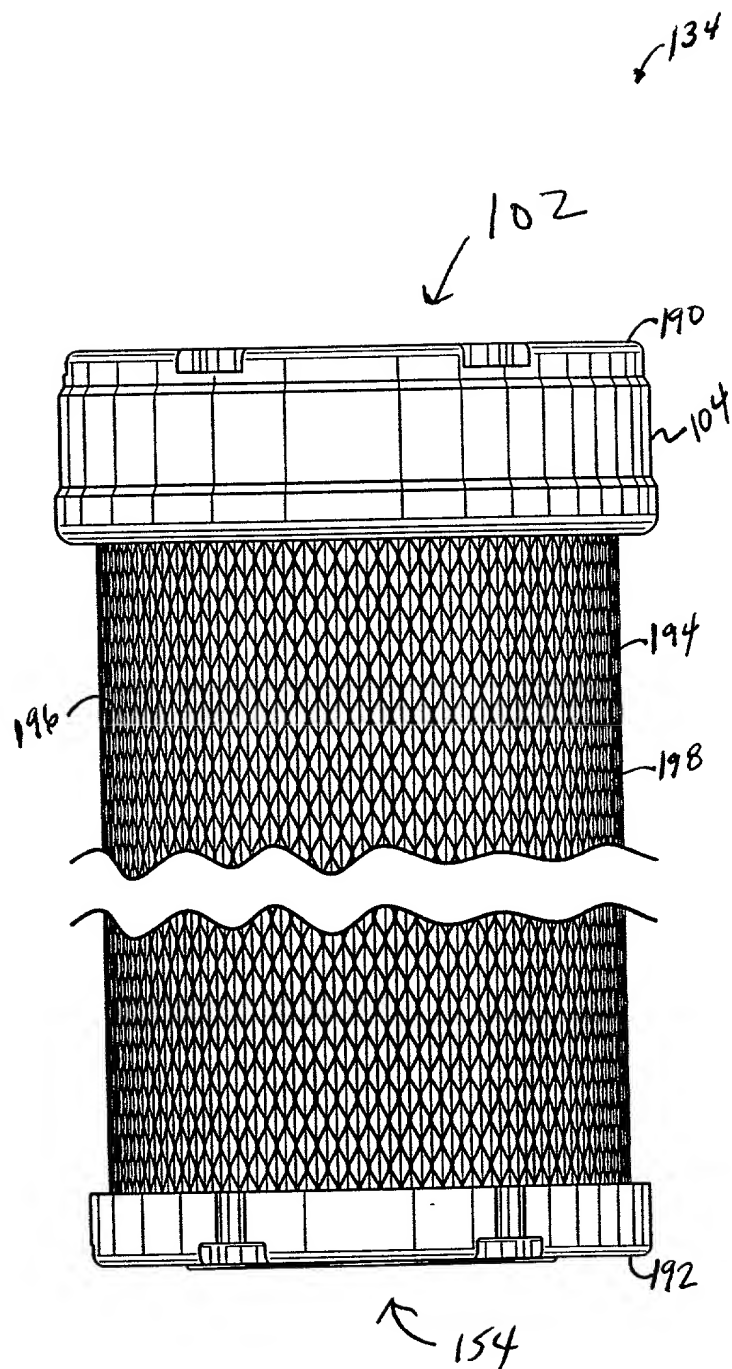
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FIG. 22



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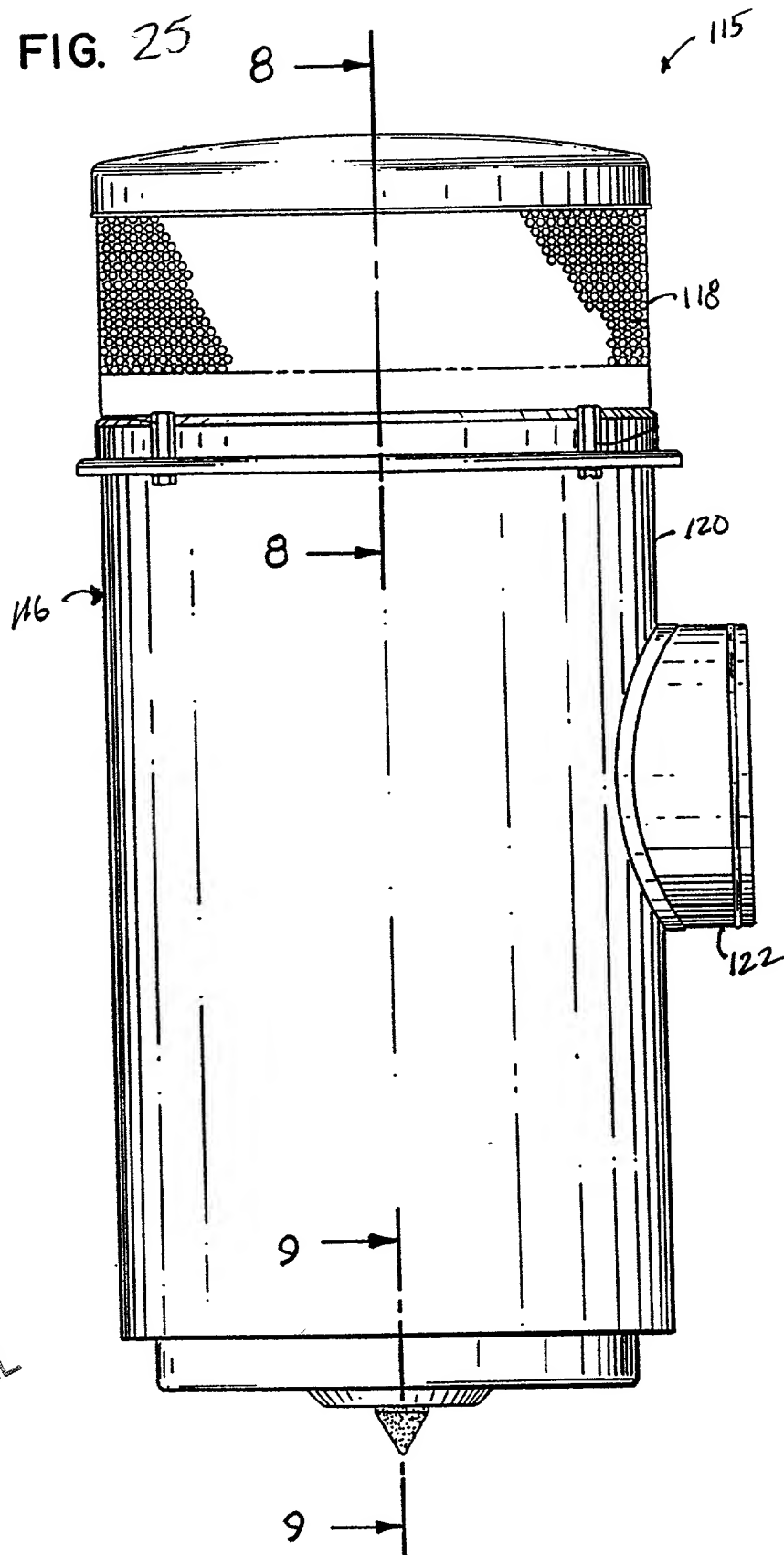
FIG. 24



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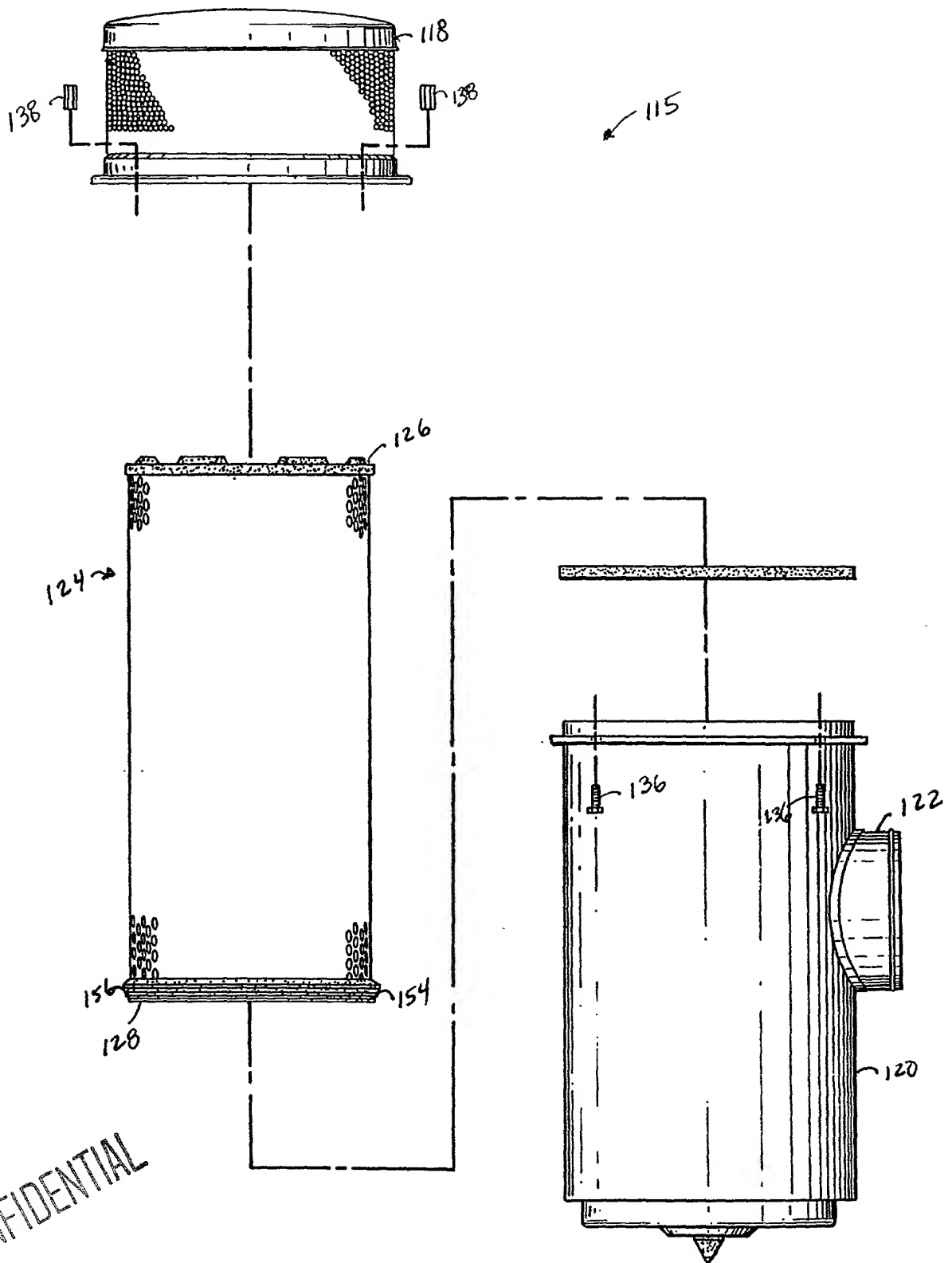


FIG. 25



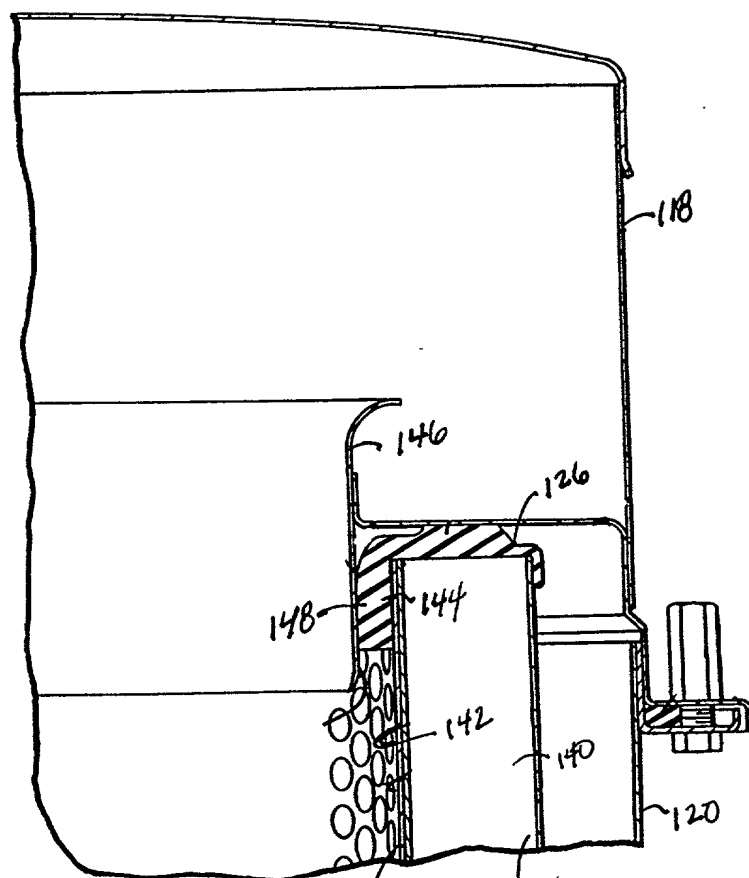
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FIG. 26



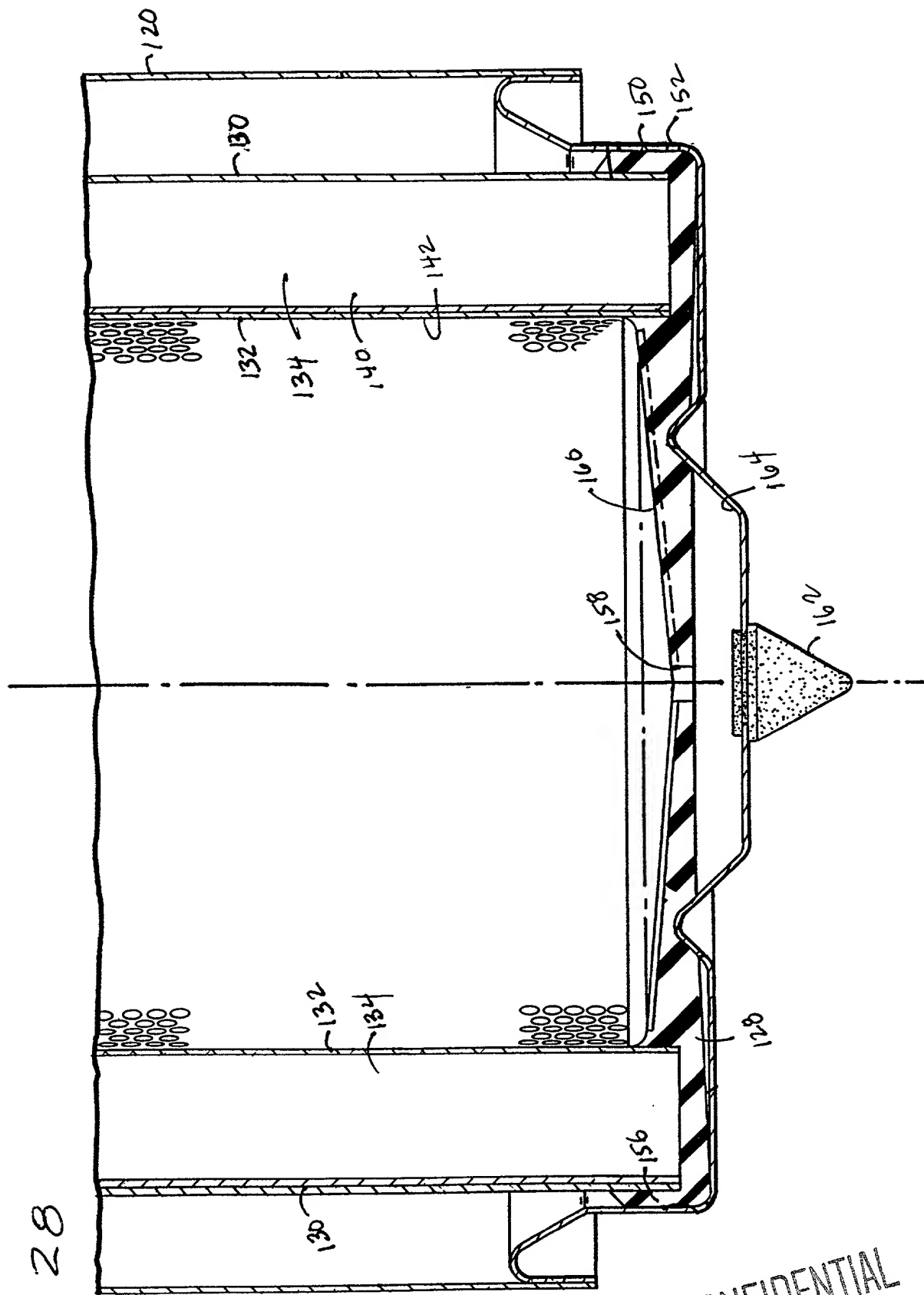
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FIG. 27



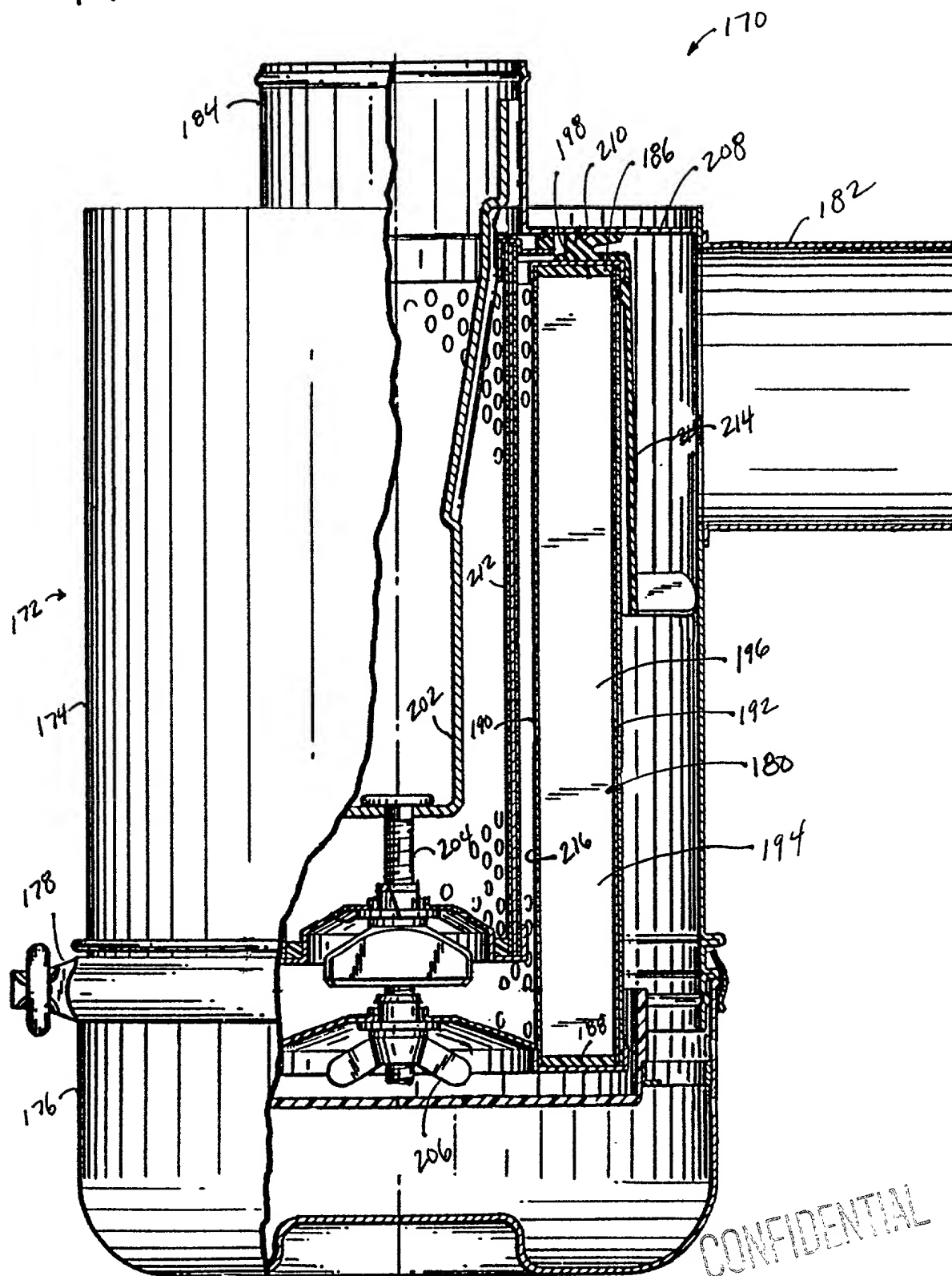
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FIG. 28

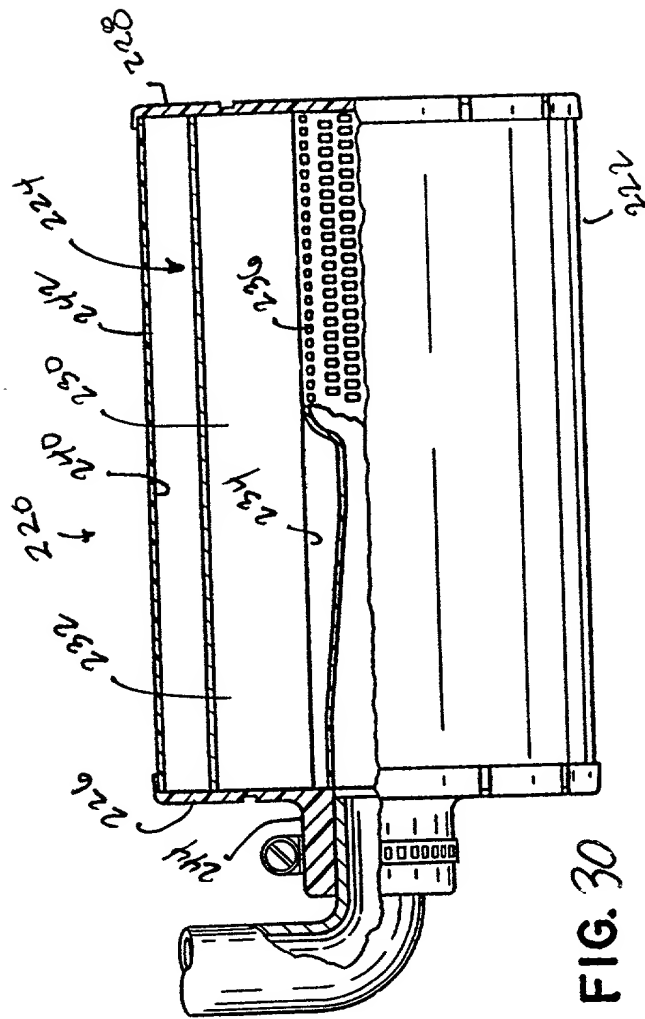
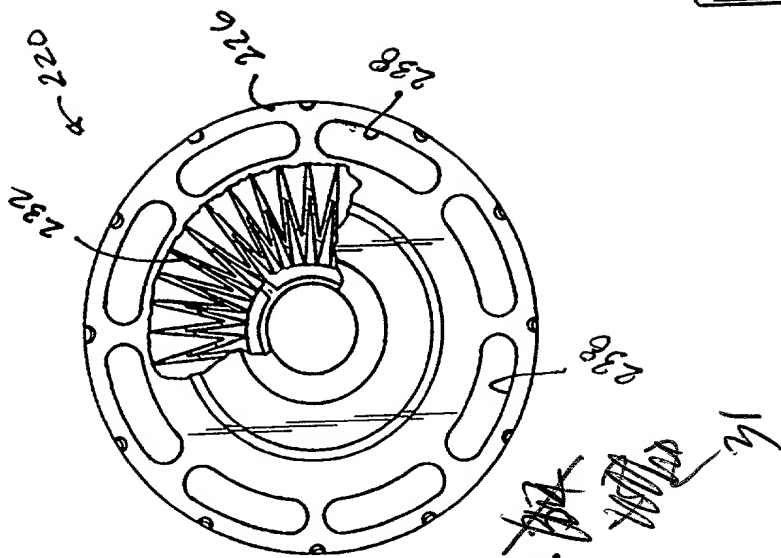


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FIG. 29

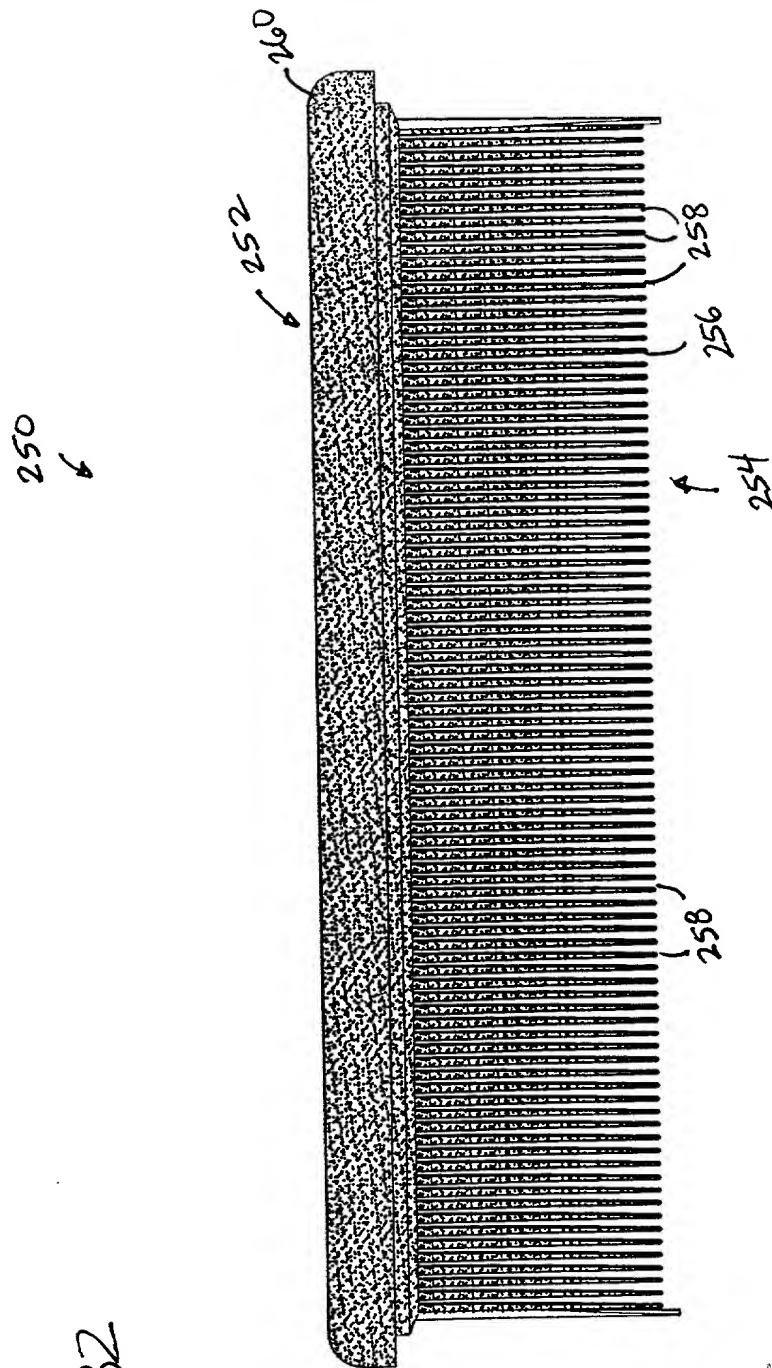


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FIG. 32



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FIG. 33

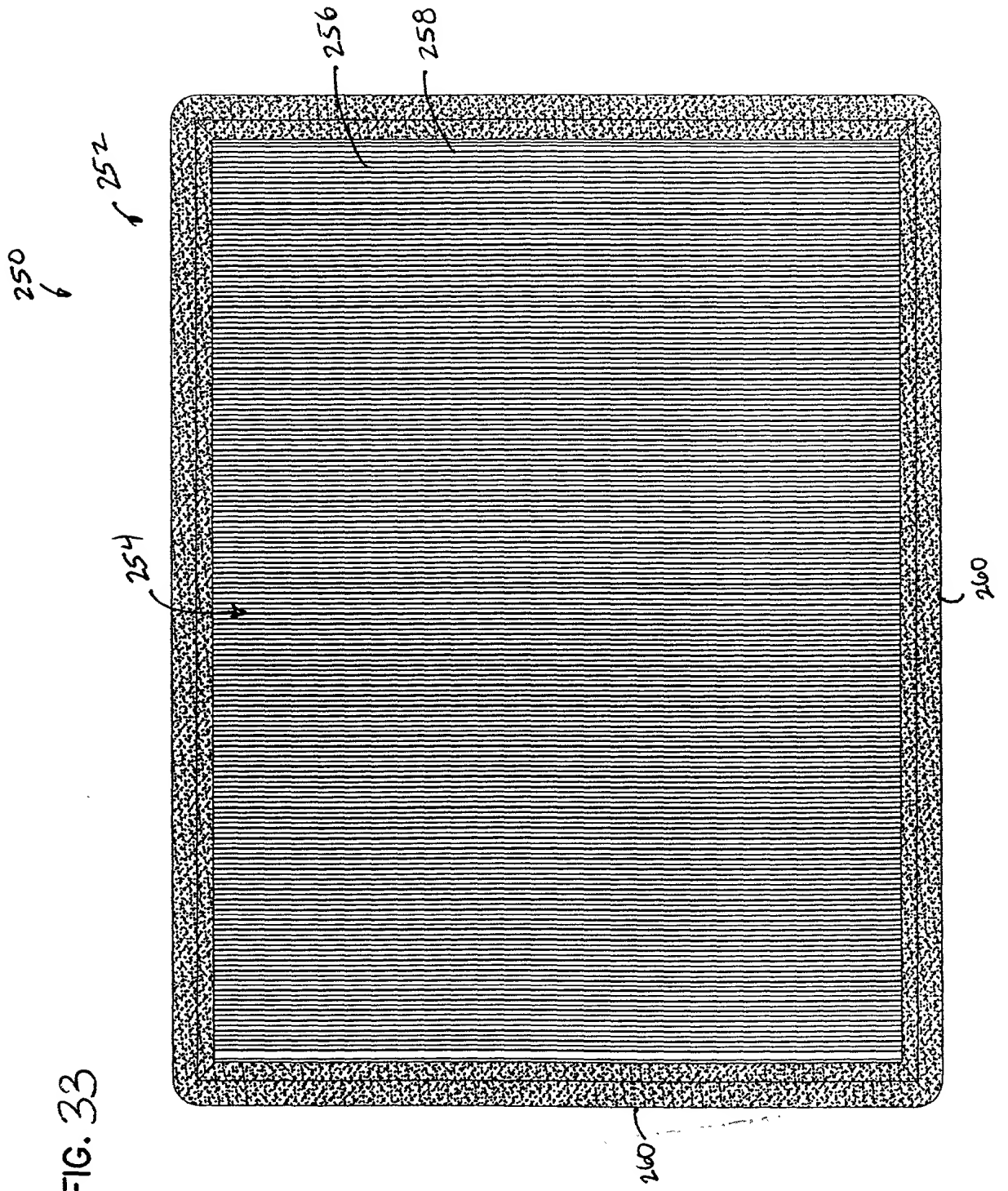
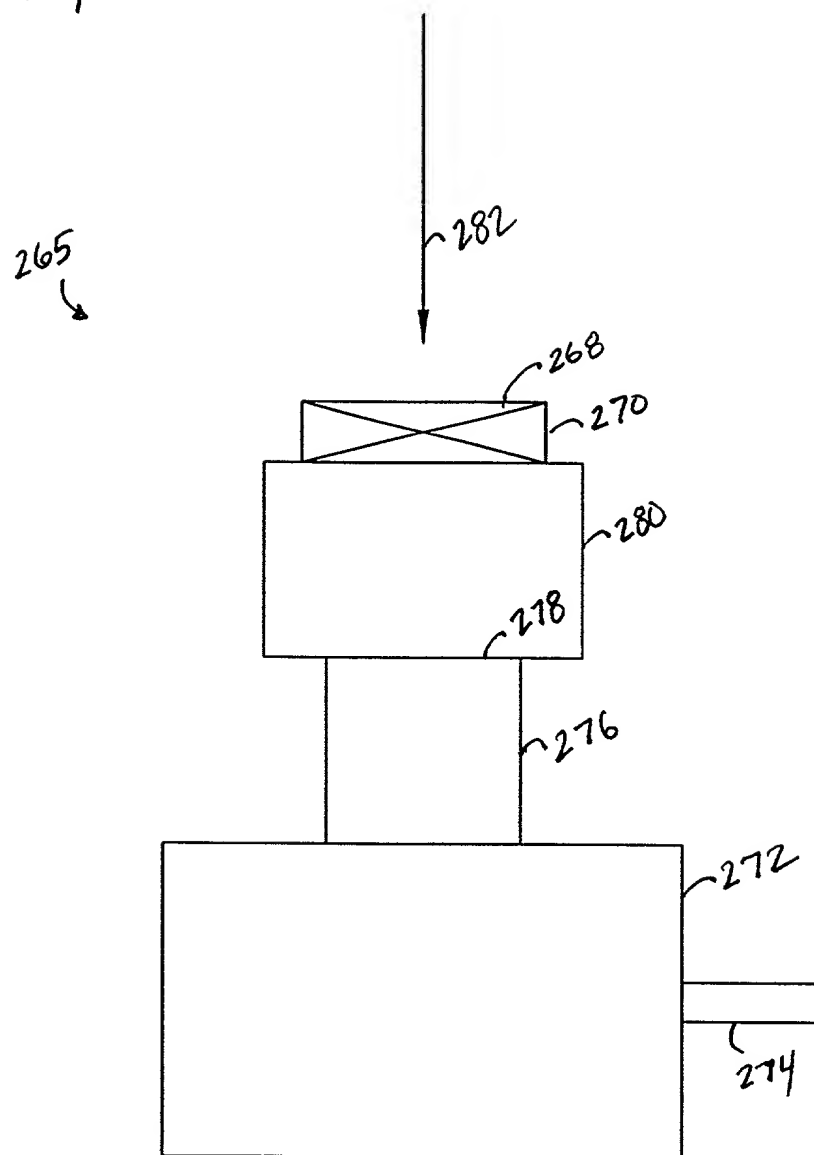




FIG. 34



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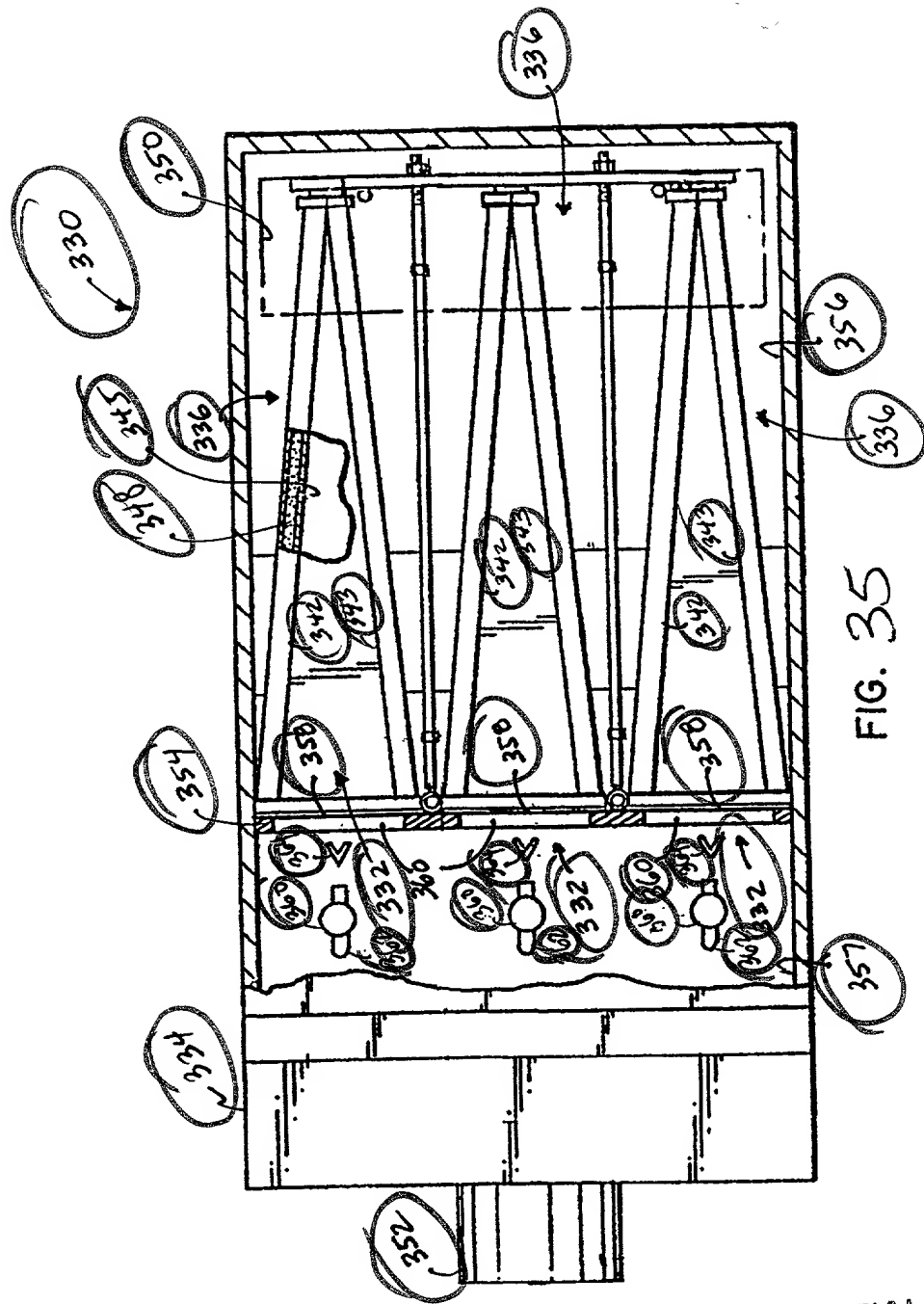


FIG. 35

FIG. 36

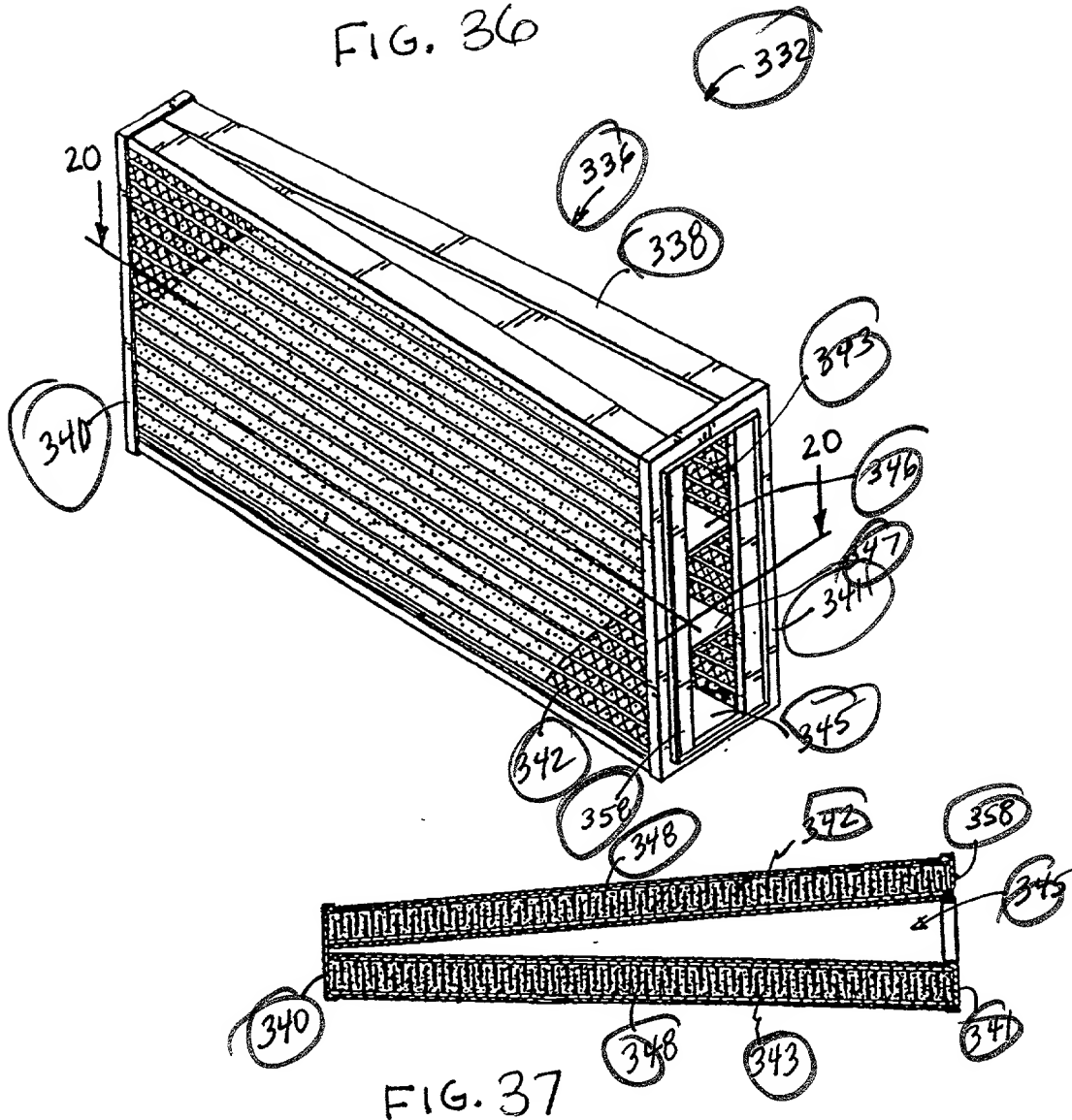


FIG. 37

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